2

PL-TR-93-2120

MODELING THE DMSP AND CRRES DOSIMETERS USING THE PATH LENGTH DISTRIBUTION METHOD

C. A. Hein J. N. Bass

Radex, Inc.
Three Preston Court
Bedford, MA 01730

May 14, 1993

Scientific Report No. 3

SELECTE DE SEP 0 1 1993

93-20434

Approved for public release; distribution unlimited



PHILLIPS LABORATORY
Directorate of Geophysics
AIR FORCE MATERIEL COMMAND
HANSCOM AIR FORCE BASE, MA 01731-3010

93 8 31 143

"This technical report has been reviewed and is approved for publication"

EDWARD C. ROBINSON Contract Manager

Data Analysis Division

ROBERT E. McINERNEY, Director

Data Analysis Division

This report has been reviewed by the ESD Public Affairs Office (PA) and is releasable to the National Technical Information Service (NTIS).

Qualified requestors may obtain additional copies from the Defense Technical Information Center. All others should apply to the National Technical Information Service.

If your address has changed, or if you wish to be removed from the mailing list, or if the addressee is no longer employed by your organization, please notify PL/TSI, 29 Randolph Road, Hanscom AFB, MA 01731-3010. This will assist us in maintaining a current mailing list.

Do not return copies of this report unless contractual obligations or notices on a specific document requires that it be returned.

REPORT DOCUMENTATION PAGE

form A roved OMB No 0704-0188

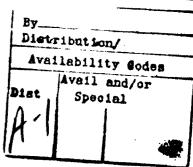
. AGENCY USE ONLY (Leave blank)	2. REPORT DATE 14 May 1993		E AND DATES COVERED Leport No. 3
. TITLE AND SUBTITLE			5. FUNDING NUMBERS
Modeling the DMSP and CRRI Distribution Method AUTHOR(5) C. A. Hein	ES Dosimeters Using the	e Path Length	PE 62101F PR 7601 TA 22 WU RA ContractF19628-90-C-0090
J. N. Bass			
PERFORMING ORGANIZATION NAM	E(S) AND ADDRESS(ES)		8. PERFORMING ORGANIZATION REPORT NUMBER
RADEX, Inc. Three Preston Court Bedford, MA 01730			RXR-93051
SPONSORING/MONITORING AGENC	Y NAME(S) AND ADDRESS	S(E5)	10. SPONSORING / MONITORING
Phillips Laboratory 29 Randolph Road Hanscom AFB, MA 01731-3010	•		PL-TR-93-2120
Contract Manager: Edward C. SUPPLEMENTARY NOTES	Robinson/GPD		
RE. DISTRIBUTION PAVAILABILITY STA Approved for Public Release Distribution Unlimited	(TEWEN)		125. DISTRIBUTION CODE

aboard the DMSP and the CRRES satellites. The Monte Carlo methods used to compute the path length distributions for the isotropic, mirror plane, and $\sin^N \alpha$ pitch angle proton angular distributions (N = 4, 6, 8, and N = 999 [for comparison with the Mirror Plane Distribution]) are described. The path length distributions are used to compute the instrument proton flux and dose count response functions and geometric factors for power law and Maxwellian proton energy spectra. Comparisons of the geometric factor computations using the path length method with the infinite slab approximation and the truncated infinite slab path length distribution are also made. Tables and Graphs of modeled instrument performance are provided.

	onte Carlo methods, Geometric		15. NUMBER OF PAGES 106
Instrument response function modeling, Proton Count, dos	16. PRICE CODE		
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited

TABLE OF CONTENTS

<u>Section</u>	age	
1.0 INTRODUCTION	1	
2.0 THE DMSP DOSIMETER	2	
3.0 THE CRRES DOSIMETER	5	
4.0 THE PATH LENGTH DISTRIBUTION 4.1 INFINITE SLAB ISOTROPIC PATH LENGTH DISTRIBUTION 4.2 INFINITE SLAB MIRROR PLANE DISTRIBUTION	6 7 8	
4.3 MIRROR PLANE DISTRIBUTION FOR A DISK: SPECIAL CASE $\lambda = 0$	9	
5.0 MONTE CARLO PATH LENGTH DISTRIBUTION COMPUTATIONS	10 10	
5.1.1 Case 1: Top to Bottom, Top to Side Contributions	10 13	
5.1.3 Complete Isotropic Distribution	16	
5.2 MIRROR PLANE PATH LENGTH DISTRIBUTION	18	
5.2.1 Case 1: Top to Bottom, Top to Side Contributions	18	
5.2.2 Case 2: Side to Bottom, Side to Side Contributions	21	
5.2.3 Complete Mirror Plane Path Length Distribution	23	
5.3 Sin ^N (α) PITCH ANGLE DISTRIBUTION	26	
5.3.1 Case 1: Top to Bottom, Top to Side Contributions	26	
5.3.2 Case 2: Side to Bottom, Side to Side Contributions	28 29	
5.3.3 Complete $Sin^N \alpha$ Pitch Angle Path Length Distribution 5.3.4 Comparison of Mirror Plane and $Sin^N \alpha$ Pitch Angle Path Length	29	
	29	
Distribution for Large N	49	
6.0 RESPONSE FUNCTION CALCULATIONS	31	
6.1 ISOTROPIC CASE	31	
7.0 GEOMETRIC FACTOR CALCULATIONS	37	
7.1 ISOTROPIC CASE	37	
7.2 MIRROR PLANE PATH LENGTH DISTRIBUTION	37	
7.3 Sin ^N α PITCH ANGLE DISTRIBUTIONS	37	
9 A CEOMETRIC EACTOR COMPARISONS	91	r
8.0 GEOMETRIC FACTOR COMPARISONS	91 91	(3/
OIL BUILDING CASE	71	Ø
REFERENCES	96	



LIST OF FIGURES

Ei	gure	Page
1.	Detector Geometry for the Mirror Plane Distribution	. 8
2.	Top to Bottom, Top to Side Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 1	11
3.	Top to Bottom, Top to Side Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 2	11
4.	Top to Bottom, Top to Side Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 3	12
5.	Top to Bottom, Top to Side Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 4	12
6.	Side to Side, Side to Bottom Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 1	14
7.	Side to Side, Side to Bottom Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 2	14
8.	Side to Side, Side to Bottom Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 3	15
9.	Side to Side, Side to Bottom Contribution to the CRRES Path Length Distribution for the Isotropic Case, Detector 4	15
10	CRRES Path Length Distribution for Detector 1	16
11	. CRRES Path Length Distribution for Detector 2	17
12	CRRES Path Length Distribution for Detector 3	17
13	CRRES Path Length Distribution for Detector 4	18
14	7. Top to Bottom, Top to Side Contribution to the Mirror Plane Path Length Distribution for Detector 1, $\lambda = 20$ degrees	19
15	5. Top to Bottom, Top to Side Contribution to the Mirror Plane Path Length Distribution for Detector 1, λ = 25 degrees	20
16	5. Top to Bottom, Top to Side Contribution to the Mirror Plane Path Length Distribution for Detector 1, λ = 60 degrees	20

List of Figures (Cont'd)

Fig	<u>are</u>	Page
17.	Side to Side, Side to Bottom Contribution to the Mirror Plane Path Length Distribution for Detector 1, $\lambda = 20$ degrees	22
18.	Side to Side, Side to Bottom Contribution to the Mirror Plane Path Length Distribution for Detector 1, $\lambda = 25$ degrees	22
19.	Side to Side, Side to Bottom Contribution to the Mirror Plane Path Length Distribution for Detector 1, $\lambda = 60$ degrees	23
20.	CRRES Mirror Plane Path Length Distribution for Detector 1, $\lambda = 20$ degrees	24
21.	CRRES Mirror Plane Path Length Distribution for Detector 1, $\lambda = 25$ degrees	25
22.	CRRES Mirror Plane Path Length Distribution for Detector 1, $\lambda = 60$ degrees	25
23.	CRRES Mirror Plane Distribution for Detector 1, $\lambda = 0$ degrees	30
24.	CRRES $\sin^{999} \alpha$ Pitch Angle Distribution for Detector 1, $\lambda = 0$ degrees	30
25 .	Bare Detector Flux Response Function for Infinite Slab Approximation	33
26.	Bare Detector Dose Response Function for Infinite Slab Approximation	33
27.	CRRES Flux Response Function for the Infinite Slab Approximation, Detector 1	34
28.	CRRES Dose Response Function for the Infinite Slab Approximation, Detector 1	34
29.	CRRES Flux Response Function for the Truncated Infinite Slab Approximation, Detector 1	35
30.	CRRES Dose Response Function for the Truncated Infinite Slab Approximation, Detector 1	35
31.	CRRES Flux Response Function for the Path Length Distribution, Detector 1	36
32.	CRRES Dose Response Function for the Path Length Distribution, Detector 1	36
33.	CRRES Omnidirectional Flux Geometric Factor Comparison for HILET channel, Detector 1	92
34.	CRRES Omnidirectional Dose Geometric Factor Comparison for HILET channel, Detector 1	92

List of Figures (Cont'd)

Fig	ure	Page
35.	CRRES Omnidirectional Flux Geometric Factor Comparison for HILET channel, Detector 4	93
36.	CRRES Omnidirectional Dose Geometric Factor Comparison for Hilet channel, Detector 4	93
37.	CRRES Omnidirectional Flux Geometric Factor Comparison for LOLET channel, Detector 1	94
38.	CRRES Omnidirectional Dose Geometric Factor Comparison for LOLET channel, Detector 1	94
39.	CRRES Omnidirectional Flux Geometric Factor Comparison for LOLET channel, Detector 4	95
40.	CRRES Omnidirectional Dose Geometric Factor Comparison for LOLET channel, Detector 4	95

List of Tables

Tal	<u>ple</u>	Page
1.	Physical and Geometric Parameters of the DMSP Detectors	. 3
2.	DMSP Geometric Factors	. 4
3.	Physical and Geometric Parameters of the CRRES Detectors	. 5
4.	DMSP Infinite Slab Approximation - Analytic Computation (Isotropic)	38
5.	DMSP Monte Carlo - Infinite Slab Approximation (Isotropic)	39
6.	DMSP Truncated Infinite Slab Path Length Distribution (Isotropic)	40
7.	DMSP Isotropic Path Length Distribution (Isotropic)	41
8.	CRRES Monte Carlo Infinite Slab Approximation (Isotropic)	42
9.	CRRES Truncated Infinite Slab Path Length Distribution (Isotropic)	43
10.	. CRRES Isotropic Path Length Distribution	44
11.	. CRRES Isotropic Path Length Distribution - Maxwellian Energy Distribution	45
12.	. CRRES Omnidirectional Geometric Factors for Power Law Spectra, Mirror Plane Path Length Distribution for:	
	(a). $\lambda = 0$ degrees	46
	(b). $\lambda = 5$ degrees	47 48
	(c). $\lambda = 10$ degrees	49
	(e). $\lambda = 20$ degrees	50
	(f). $\lambda = 25$ degrees	51
	(g). $\lambda = 30$ degrees	52
	(h). $\lambda = 35$ degrees	53
	(i). $\lambda = 40$ degrees	54
	(j). $\lambda = 45$ degrees	55
	(k). $\lambda = 50$ degrees	56
	(1). $\lambda = 55$ degrees	57
	(m). $\lambda = 60$ degrees	58
	(n). $\lambda = 65$ degrees	59
	(o). $\lambda = 70$ degrees	60
	(p). $\lambda = 75$ degrees	61
	(q). $\lambda = 80$ degrees	62
	(r). $\lambda = 85$ degrees	63
	(s) $\lambda = 90$ degrees	64

List of Tables (Cont'd)

<u>Tab</u>	<u>le</u>	Pare
13.	CRRES Mirror Plane Path Length Distribution, Spin Average	65
14.	CRRES Omnidirectional Geometric Factors for Power Law Spectra, $\sin^{999} \alpha$ Pitch Angle Path Length Distribution Computation for: (a). $\lambda = 0$	66 67 68 69
15.	CRRES Omnidirectional Geometric Factors for Power Law Spectra, $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation for: (a). $\lambda = 0$ (b). $\lambda = 15$ (c). $\lambda = 30$ (d). $\lambda = 45$ (e). $\lambda = 60$ (f). $\lambda = 75$ (g). $\lambda = 90$	70 71 72 73 74 75 76
16.	CRRES Omnidirectional Geometric Factors for Power Law Spectra, $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation for: (a). $\lambda = 0$ (b). $\lambda = 15$ (c). $\lambda = 30$ (d). $\lambda = 45$ (e). $\lambda = 60$ (f). $\lambda = 75$ (g). $\lambda = 90$	77 78 79 80 81 82 83
17.	CRRES Omnidirectional Geometric Factors for Power Law Spectra, $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation for: (a). $\lambda = 0$ (b). $\lambda = 15$ (c). $\lambda = 30$ (d). $\lambda = 45$ (e). $\lambda = 60$ (f). $\lambda = 75$ (g). $\lambda = 90$	84 85 86 87 88 89

ACKNOWLEDGEMENTS

The authors wish to acknowledge the kind assistance of Bob Filz and Susan Gussenhoven for their helpful advice and support in performing the research presented in this report.

1. INTRODUCTION

This report describes the use of the path length distribution method to model the performance of the dosimeter instruments used on board the DMSP and CRRES satellites. These instruments are used to measure the radiation dose encountered by the satellites. Each instrument consists of four aluminum hemispheric domes, at the center of which is a solid state silicon particle detector. Since the dimension of the detector is small compared to the hemisphere radius, a proton reaching the detector is assumed to pass on a straight line path through a known thickness of the hemisphere shell, and, continuing in a straight line, reaches the detector. It then deposits all (if it is stopped) or part of its remaining kinetic energy (if it passes through) in the detector. The energy loss is recorded both as a count (an energy pulse is recorded) and a dose (the amount of energy deposited is recorded).

In order to use the path length distribution approach, it is necessary to model the detector as a disk of silicon in which the protons can either enter the top or the side of the disk (moving horizontally or downwards). Only the active regions of the detector are modeled; it is not possible to model the "dead" space using the path length distribution. Modeling the latter would require a full Monte Carlo calculation, with a requirement for an order of magnitude or larger usage of computer resources.

The amount of energy deposited by a proton in the silicon detector depends upon both the energy incident on the detector, and the path length [the distance along a straight line path] travelled by the proton. The thickness of the aluminum hemispherical shell is selected to eliminate electrons and protons with energies lower than specified thresholds.

Previous modeling of the DMSP and CRRES dosimeters used an alternative method, which relies upon the infinite slab approximation. A brief description of this method together with a description of the DMSP dosimeter is provided in Section 2. A brief description of the CRRES dosimeter and of the differences between the DMSP and CRRES dosimeters is provided in Section 3.

Because the path length distribution method is not well documented in the literature, a detailed theoretical description of the path length method will be provided in Section 4, with examples of path length distributions for special simple cases. Generally it is necessary to use Monte Carlo methods to compute the path length distribution; in some cases, however, it is possible to use analytic methods, in particular, for the infinite slab case, resulting in the infinite slab path length distribution. A truncated version of the infinite slab approximation, in which path lengths longer than the maximum dimensions of the detector are excluded, is also discussed.

The Monte Carlo computations for the isotropic and mirror plane distributions are described in Section 5. Two path length distributions are computed, one, for entry through the top of the detector and one from the side. Using geometric arguments, they are combined into the path length distribution.

The response functions calculations for the dosimeter flux and dose channels are described in Section 6. The computation of the geometric factors for power law and other spectra using the response functions is described in Section 7 together with tables for the isotropic, mirror plane, and $\sin^N \alpha$ distributions. In Section 8 this report concludes with a comparison of Geometric Factor computations obtained from path length distributions and the other methods described in this report.

2. THE DMSP DOSIMETER

The objective of modeling the DMSP Dosimeter is to interpret the observational data obtained from the instrument in terms of the physical environment encountered by the satellite. In particular, the objective is to use the observed proton count and dose data to compute the proton flux, as a function of energy and angular distribution, the latter, particularly with reference to the magnetic field direction.

Following an approach by Sullivan [1971], it is assumed that a differential proton flux (Sullivan's "Spectral intensity") $j(E,x,\Omega,t)$; units: protons/(sec cm² steradian MeV) is incident on each of the hemispheric domes. For each detector there are four proton channels, two each for flux and dose [LOLET (also referred to as "electron" channels, because they are also sensitive to high energy electrons) and HILET]. The LOLET and HILET flux channels record the number of charged particles which deposit energies in the individual silicon detectors in the range [0.05, 1] and [1, 10] MeV during a measurement interval respectively. The LOLET and HILET dose channels record the accumulated energy deposited by the LOLET and HILET protons during the same interval.

The counting rate for the k'th channel for an instrument is given by:

$$\frac{dN_k}{dt} = \int_{S} \mathbf{u} \cdot d\mathbf{A} \int_{\Omega} d\Omega \int_{0}^{\infty} dE \, \eta_k(E, \Omega, \dots) \, j(E, \mathbf{x}, \Omega, t) \tag{2.1}$$

where η_k is the detection efficiency, dA is a directed area element (in the direction of the normal to the detector surface at location x), u is a unit vector (pointing towards the direction of an incoming particle), $d\Omega$ an element of solid angle, j is the differential flux. The integration takes place over the surface of the detector S, over the solid angle Ω and over the energy E.

For a planar detector, the above integral can be greatly simplified, providing that the differential flux does not significantly vary over the dimensions of the detector, does not significantly change over the individual data collection interval, and can be expressed as a product $j(E,\Omega) = j(E) h(\Omega)$. Choosing spherical coordinates for which the top detector surface lies in the equatorial plane, we obtain:

$$\int_{S} dA \cdot u = A \cos \theta$$

$$\frac{dN_k}{dt} = A \int_{E} j(E) G_k(E) dE$$
where
$$G_k(E) = \int_{\Omega} \eta_k(\theta, \phi, E) \cos \theta \ h(\theta, \phi) \sin \theta \ d\theta \ d\phi$$
(2.2)

where A is the detector surface area; the quantity $G_k(E)$ is called the energy dependent geometric factor or the response function. The geometric factor (for a given spectrum j(E)) is defined as dN/dt divided by the omnidirectional flux.

Even with these simplifications, for the simplest case, that of an isotropic angular distribution, these computations are difficult, and approximations are unavoidable.

The dimensions of the detectors, and the thicknesses of each of the aluminum hemispheres used in the DMSP dosimeter are given in Table 1. The thickness of the hemisphere shell is expressed in units of gm/cm², which is actually the product of the actual thickness (in cm) by the density of aluminum; these units are convenient for the computation of energy loss for protons which penetrate the dome and reach the detector.

In a report on the DMSP Dosimeter [Gussenhoven, et al. 1986], response function computations were reported for the isotropic case, and for the mirror plane case (for angles of 0 to 80 degrees magnetic inclination at 10 degree intervals). In addition, tables of geometric factors were presented for energy spectra of the form $(20/E)^N$. The published tables for the isotropic case are reproduced in Table 2 below. Note that a relative normalization was used for these tables.

The approximation used in the DMSP report for the isotropic case makes use of geometry of the DMSP detectors and the infinite slab approximation. First, the response function (normalized by unit area) for a bare detector was computed using the infinite slab approximation as follows: For the isotropic case, $h(\theta,\phi)=1$, η_k does not depend on ϕ ; and, depending upon the computed energy loss in silicon, takes on the value 0 or 1 for a flux channel, or is assigned discrete values in the range 0 - 15 for the dose channels, depending on the energy loss in the detector. The integration limits on the angle θ define the θ intervals for which η_k takes on a particular (discrete) non-zero value. The path length equation $q=d/\cos\theta$ (d is the thickness of a detector, taken to be 400 microns for each of the four detectors) corresponding to the channel boundaries (for flux) and the different dose levels for the dose channels is used to compute the integration limits for θ . Then, for each value of the external energy, the energy loss after penetrating through each of the domes is computed, using an analytic range-energy relation for aluminum. The bare detector response for that energy is the detector response function for the value of the external energy.

The geometric factor for a given spectrum is then obtained by integrating the product of the energy spectrum by the response function over the external energy.

	TABLE 1. Physical and Geometric Parameters of the DMSP Detectors								
Detector #	Detector Area [cm ²]	Detector Thickness [microns]	Ratio: thickness/radius D/R	Thickness of Aluminum Hemisphere [gm/cm ²]	Minimum Proton Energy Required to Penetrate Aluminum Hemisphere [MeV]				
1	0.051	398	0.312373	0.55	20				
2	1.000	403	0.071430	1.55	35				
3	1.000	390	0.069126	3.05	51				
4	1.000	384	0.068092	5.91	75				

TABLE 2. DMSP Geometric Factors (Relative Normalization) for Power Law Spectrum: $j(E) = (20/E)^N$

					- 1			
Omnidirect		HILET	CHANNEL		Flux Cha		CHANNEL!	5
N	1	2	3	4	1	2	3	4
0.1	3.096	55.95	48.49	42 36	29.27	569.0	566.0	557.1
0.2	2.671	47.20	40.23	34.44	21.37	414.8	412.1	404.5
0.3 0.4	2.325 2.040	40.10 34.29	33.56 28.15	28.12 23.06	15.67 11.54	303.6 223.1	301.2 221.0	294.6 215.4
0.5	1.804	29.49	23.72	18.98	8.543	164.8	162.8	158.0
0.6	1.607	25.50	20.08	15.68	6.354	122.2	120.5	116.4
0.7 0.8	1.441 1.300	22.17 19.36	17.07 14.57	13.00 10.80	4.751 3.572	91.08 68.22	89.56 66.88	86.06 63.88
0.9	1.179	16.97	12.47	9.005	2.701	51.37	50.19	47.62
1.0	1.075	14.94	10.71	7.525	2.054	38.89	37.84	35.64
1.1 1.2	.9851 .9064	13.20 11.70	9.225 7.966	6.303 5.291	1.572 1.210	29.59 22.65	28.68 21.84	26.79 20.23
1.3	.8373	10.41	6.896	4.450	.9368	17.43	16.72	15.33
1.4	.7764	9.267	5.983	3.749	.7300	13.49	12.87	11.68
1.5	.7224	8.280	5.201 4.529	3.164	.5723	10.50	9.949	8.929
1. 6 1.7	. 6742 . 6312	7.415 6.655	3.951	2.674 2.263	.4514 .3582	8.213 6.461	7.733 6.040	6.857 5.288
1.8	. 5925	5.984	3.452	1.918	.2859	5.110	4.740	4.095
1.9	. 5577	5.391	3.021	1.628	.2295	4.063	3.738	3.184
2.0 2.2	. 5262 . 4715	4.865 3.980	2.647 2.039	1.383 1.001	. 1853 . 1226	3.246 2.102	2.961 1.883	2.485 1.531
2.4	.4251	3.274	1.578	.7267	.0827	1.386	1.217	.9565
2.6	. 3874	2.707	1.226	. 5294	.0568	.9281	. 7978	. 6054
2.8 3.0	. 3547 . 3265	2.248 1.874	.9557 .7472	. 3877 . 2832	.0396 .02798	. 6306 . 4340	. 5302 . 3565	.3877 .2509
3.5	.2714	1.207	.4084	.1311	.01234	.1786	.1381	. 0879
4.0	.2313	.7921	.2262	.0614	.00575	.0774	.0562	. 0322
4.5	.2010	.5270	. 1266	.0289	.00279	.0349	.0237	.0122
5.0 6.0	. 1776 . 1436	. 3550 . 1659	.0716 .0233	.0138 .0032	.00140	.0162 .0037	.0103 .0021	.0047 .0008
7.0	. 1201	.0800	. 0078	.0007	.00011	.0008	.0004	.0001
8.0	. 1029	.0394	.0027	.0002	.00003	.0002	.0001	.00001
9.0 10.0	. 0879 . 0792	.0198 .0101	.0008 .0003	.00001	.00001	.0001	.00001	.00001 .00001
					100001			
Omnidi	rectional			c Factors	s for DM			[cm ² MeV]
Omnidi:	rectional 1		Geometri CHANNELS 3	c Factor:	for DM:		Channels HANNELS 3	[cm ² MeV]
	1	HILET (CHANNELS			LOLET C	HANNELS	
N Multiply	1 by: 10 ⁻³	10 ⁻³	CHANNELS 3 10 ⁻³	4 10 ⁻³	1 10 ⁻⁵	10 ⁴	HANNELS 3 10 ⁻³	4 10 ⁻³
ĸ	1	HILET (CHANNELS 3	4	1	LOLET (HANNELS 3	4
N Multiply (0.1 0.2 0.3	1 by: 10 ⁻³ 129.8 113.6 100.2	10 ⁻³ 144.3 123.1 105.8	10 ⁻³ 495.1 414.5 349.0	4 10 ⁻³ 427.2 349.7 287.6	1 10 ⁻⁵ 1531. 1158. 880.9	10 ⁴ 1495. 1127. 854.3	10 ⁻³ 576.1 433.5 327.8	4 10 ⁻³ 554.2 415.0 312.0
N Multiply (0.1 0.2 0.3 0.4	1 by: 10 ⁻³ 129.8 113.6 100.2 89.15	10 ⁻³ 144.3 123.1 105.8 91.46	3 10 ⁻³ 495.1 414.5 349.0 295.4	4 10 ⁻³ 427.2 349.7 287.6 237.4	1 10 ⁻⁵ 1531. 1158. 880.9 673.9	10 ⁻⁴ 1495. 1127. 854.3 650.9	10 ⁻³ 576.1 433.5 327.8 249.1	4 10 ⁻³ 554.2 415.0 312.0 235.8
N Multiply (0.1 0.2 0.3	1 by: 10 ⁻³ 129.8 113.6 100.2	10 ⁻³ 144.3 123.1 105.8 91.46 79.52	10 ⁻³ 495.1 414.5 349.0 295.4 251.2	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6	10 ⁴ 1495. 1127. 854.3 650.9 498.6	10 ⁻³ 576.1 433.5 327.8 249.1 190.2	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7
Multiply 0.1 0.2 0.3 0.4 0.5 0.6 0.7	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39	10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05	10 ⁻³ 495.1 414.5 349.0 295.4 251.2 214.5 183.9	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 136.5	1 10 ⁻⁵ 1531 . 1158 . 880 . 9 673 . 9 518 . 6 401 . 5 312 . 6	10 ⁴ 1495. 1127. 854.3 650.9 498.6 384.0 297.4	10 ⁻³ 576.1 433.5 327.8 249.1 190.2 146.0 112.6	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1 10 ⁻³ 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67	10 ⁻³ 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85	10 ⁻³ 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 136.5 114.2	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 312.6 244.9	10 ⁴ 1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5	10 ⁻³ 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1 10 ⁻³ 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72	10 ⁻³ 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68	10 ⁻³ 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 136.5 114.2 95.76	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 312.6 244.9 193.0	104 1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2	10 ⁻³ 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1 10-3 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61	10 ⁻³ 144.3 123.1 105.8 91.46 91.52 69.51 61.05 53.85 47.85 42.37 37.78	CHANNELS 3 10 ⁻³ 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7	4 10 ⁻³ 427.2 349.7 287.6 237.4 163.6 136.5 114.2 95.76 80.51 67.84	1 10 ⁻⁵ 1531. 1158. 880.9 518.6 401.5 312.6 244.9 193.0 152.9 121.9	10 ⁴ 1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8	10 ⁻³ 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 68.01 53.24 41.87	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26	10 ⁻³ 144.3 123.1 105.8 91.46 91.52 69.51 61.05 53.85 47.68 42.37 37.78	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 57.27	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 312.6 244.9 193.0 152.9 121.9 97.68	10-4 1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8 89.67	10 ⁻³ 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 53.24 41.87	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02
Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29	144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 37.78 33.77 30.28	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 136.5 114.2 95.76 80.51 67.84 48.44	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 312.6 312.6 193.0 152.9 121.9 97.68 78.70	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8 89.67 71.63	10 ⁻³ 576.1 433.5 327.8 249.1 190.2 146.0 87.31 68.01 53.24 41.87 33.08 26.25	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74
Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26	10 ⁻³ 144.3 123.1 105.8 91.46 91.52 69.51 61.05 53.85 47.68 42.37 37.78	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 57.27	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 312.6 244.9 193.0 152.9 121.9 97.68	10-4 1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8 89.67	10 ⁻³ 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 53.24 41.87	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09	10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 33.77 30.28 27.20 24.50 22.10	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 57.27 48.44 41.03 34.82 29.58	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 63.74 51.89 42.44	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36	10-3 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 13.46	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 30.28 27.20 24.50 19.98	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26 45.90	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 67.84 41.03 34.82 29.58 29.58	1 10 ⁻⁵ 1531. 1158. 1880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 51.89 42.44 34.87	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36 37.54 30.53	10-3 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 13.46 10.85	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09	10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 33.77 30.28 27.20 24.50 22.10	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 57.27 48.44 41.03 34.82 29.58	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 63.74 51.89 42.44	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36	10-3 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 13.46	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.16 10.5 53.85 47.68 42.37 730.28 27.70 22.10 19.98 18.09 16.41 14.90	CHANNELS 3 10-3 495.1 414.5 3495.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26 45.90 40.36 35.54 31.33	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 5114.2 95.76 80.51 67.84 57.27 48.44 41.03 34.82 29.58 25.16 21.43 18.28	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 42.44 34.87 28.77 28.73	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42	10-3 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 41.87 33.08 26.25 20.92 16.75 13.46 10.85 8.784 5.813	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28 23.67	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 30.28 27.20 24.50 24.50 19.98 18.09 16.41 14.90 12.23	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 186.6 118.3 102.7 89.34 77.91 68.08 59.66 45.90 40.36 35.54 31.33 24.43	427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 41.03 34.82 25.16 21.43 18.28 15.60 11.39	1 10 ⁻⁵ 1531. 1880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 51.89 42.44 34.87 28.77 23.84 313.86	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42 16.80	10-3 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 53.24 41.87 26.25 20.92 16.75 10.85 8.784 7.134 63.895	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.16 10.5 53.85 47.68 42.37 730.28 27.70 22.10 19.98 18.09 16.41 14.90	CHANNELS 3 10-3 495.1 414.5 3495.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26 45.90 40.36 35.54 31.33	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 5114.2 95.76 80.51 67.84 57.27 48.44 41.03 34.82 29.58 25.16 21.43 18.28	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 42.44 34.87 28.77 28.73	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42	10-3 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 41.87 33.08 26.25 20.92 16.75 13.46 10.85 8.784 5.813	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8	1 129.8 113.6 1100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28 23.67 21.44 19.52 17.85	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 730.28 27.20 22.10 19.98 18.09 16.41 14.90 12.23 10.26 7.174	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26 45.90 40.36 31.33 24.43 19.12 15.01 11.82	427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 41.32 41.03 41.82 29.58 25.16 21.43 18.28 15.60 11.39 8.348 4.518	1 10.5 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 42.44 34.87 28.77 28.78 19.83 13.86 9.83 13.86 9.83 17.037 5.094	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42 16.80 11.47 7.930 11.47 7.930	HANNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.6 87.31 68.01 41.87 33.08 26.25 20.92 16.75 13.46 10.85 8.784 5.813 3.895 2.638 2.638	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	1 129.8 113.6 1100.2 89.15 79.88 72.06 67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28 23.67 21.44 19.52 17.85 16.40	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 30.28 27.20 24.50 24.50 19.98 18.09 16.41 14.90 12.23 10.26 8.563 7.174 6.028	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.66 45.90 40.36 35.54 45.90 40.36 35.54 31.33 24.43 19.12 15.03	427.2 349.7 2287.6 237.4 196.8 163.6 114.2 95.76 80.51 14.2 95.76 80.51 48.44 41.03 34.82 29.58 25.16 21.43 18.28 6.11 4.51 80.34 80	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 51.89 42.44 34.87 28.77 23.84 19.83 13.86 9.820 7.037 5.094 3.721	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42 11.47 7.930 5.541 3.908 2.779	HAMNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 13.46 10.85 8.784 7.134 3.895 2.638 1.804 1.245 0.865	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842 0.564
N Multiply (0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8	1 129.8 113.6 1100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28 23.67 21.44 19.52 17.85	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 730.28 27.20 22.10 19.98 18.09 16.41 14.90 12.23 10.26 7.174	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26 45.90 40.36 31.33 24.43 19.12 15.01 11.82	427.2 349.7 287.6 237.4 196.8 163.6 136.5 114.2 95.76 80.51 67.84 41.03 34.82 29.58 18.28 15.60 11.39 8.348 6.134 4.513 4.513 8.348 6.134	1 10'5 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 197.68 78.70 63.74 51.89 78.77 23.84 19.82 19.8	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42 16.80 11.47 7.930 5.541 3.992 20.42	HANNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.6 87.31 68.01 41.87 33.08 26.25 20.92 16.75 13.46 10.85 8.784 5.813 3.895 2.638 2.638	4 10 ⁻³ 554.2 415.0 332.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842 0.564 0.212
N Multiply 0.1	1 129.8 113.6 1100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28 23.67 21.44 19.52 17.85 16.40 13.45 11.22 9.495	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 30.28 27.20 22.10 19.98 18.09 18.49 16.41 14.90 12.23 10.26 87.174 6.028 3.947 6.028	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26 45.90 40.36 31.33 24.43 19.12 5.216 11.82 9.332 5.216 2.947	427.2 349.7 287.6 237.4 196.8 163.6 5114.2 95.76 80.51 41.43 41.03 44.82 29.58 25.16 21.43 18.28 15.60 11.39 8.348 4.518 3.334 1.573 0.749 0.359	1 10-5 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 42.44 34.87 28.77 28.77 7.037 5.094 3.721 1.753 0.858 0.432	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 30.53 24.92 20.42 21.42 20.42 20.42 20.55 20.55 20.557 0.261	HANNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 13.46 10.85 8.784 5.813 3.895 2.638 1.804 1.245 0.865 0.359 0.154 0.067	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842 0.564 0.212 0.092 0.032
N Multiply 0.1	1 129.8 113.6 1100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28 23.67 21.44 19.52 17.85 16.40 13.45 11.22 9.495 8.125	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 30.28 27.20 24.50 22.10 19.98 18.09 16.41 14.90 12.23 10.26 8.563 7.174 6.028 3.947 2.620 1.757 1.189	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 40.36 35.54 45.90 40.36 35.54 45.90 40.36 35.52 16 2.94 11.82 9.332 5.216 2.964	427.2 349.7 2287.6 237.4 196.8 163.6 114.2 95.76 80.51 114.2 95.76 80.51 48.44 41.03 29.58 25.16 21.43 18.28 25.16 21.43 18.34 8.348 6.114 4.518 3.334 1.573 0.359 0.173	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 51.89 42.44 34.87 28.77 23.88 13.86 9.820 7.037 55.094 3.721 1.753 0.858 0.432 0.432	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42 16.80 11.47 7.930 5.541 0.256 0.256 0.256 0.256 0.256	HANNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 8.784 7.1346 10.85 8.784 7.1346 10.85 8.784 7.1346 10.85 0.0665 0.359 0.1567 0.030	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842 0.564 0.212 0.092 0.032 0.013
N Multiply 0.1	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.29 38 27.76 26.28 23.67 21.44 19.52 17.85 16.40 13.45 11.22 9.495 8.125 6.110	HILET 6 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 37.78 30.28 27.20 24.50 19.98 18.09 16.41 14.90 16.23 10.26 8.563 7.174 6.028 3.947 2.620 1.757 1.189	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 136.6 118.3 102.7 89.34 77.91 68.08 59.60 40.36 35.54 31.33 19.12 15.01 11.82 9.332 5.216 2.947 1.680 0.964 0.323	427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 4.03 34.82 25.16 21.43 18.28 25.16 21.43 18.34 4.51 39.34 4.51 30.749 0.359 0.173 0.041	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 6244.9 193.0 152.9 97.68 78.70 63.74 51.89 78.77 23.88 13.86 9.820 7.037 5.094 34.87 5.094 11.753 0.858 0.432 0.223 0.062	1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8 89.67 71.63 57.49 46.36 37.54 30.53 24.92 20.42 16.80 11.47 7.930 5.541 3.992 20.557 0.257 0.257 0.125 0.030	HAMNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 13.46 5.813 33.89 2.638 1.804 1.245 0.050 0.154 0.067 0.006	4 10 ⁻³ 554.2 415.0 332.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842 0.564 0.212 0.092 0.013 0.002
N Multiply 0.1	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.28 23.67 21.44 19.52 17.85 16.40 13.45 11.22 9.495 8.125 6.110 4.721 3.722	HILET 6 10-3 144.3 1105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 730.28 27.20 22.10 19.98 18.09 16.41 14.90 12.23 10.26 16.41 14.90 12.23 10.26 17.77 1.189 .5557 .2653 .1288	CHANNELS 3 10-3 495.1 414.5 3495.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 89.34 77.91 68.08 59.60 52.26 45.90 40.36 35.54 31.33 24.43 19.12 9.332 5.216 11.82 9.332 5.216 0.964 0.368	4 10 ⁻³ 427.2 349.7 287.6 237.4 196.8 163.6 114.2 95.76 80.51 67.84 41.03 34.82 29.58 25.16 21.43 18.28 15.60 11.39 8.34 4.518 3.334 1.573 0.749 0.359 0.173 0.010 0.002	1 10.5 1531. 1158. 880.9 673.9 518.6 401.5 244.9 193.0 152.9 97.68 78.70 63.74 42.44 34.87 28.77 28.77 7.037 5.094 3.721 1.753 0.858 0.432 0.068	1495. 1127. 884.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8 89.67 71.63 57.49 30.53 24.92 20.42 21.42 20.42 20.42 20.42 20.557 0.261 0.125 0.008 0.002	HANNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.6 87.31 68.01 153.24 41.87 33.08 26.25 20.92 16.75 13.46 10.85 8.784 5.813 3.895 2.638 1.804 1.245 0.865 0.359 0.0067 0.000 0.0061	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 79.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842 0.564 0.212 0.092 0.032 0.013 0.002 0.001
N Multiply: 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0 6.0 7.0	1 129.8 113.6 100.2 89.15 79.88 72.06 65.39 59.67 54.72 50.40 46.61 42.26 40.29 37.63 35.25 33.09 31.15 29.38 27.76 26.26 22.27 85 16.40 13.45 11.22 9.495 8.125 6.110 4.721	HILET 6 2 10-3 144.3 123.1 105.8 91.46 79.52 69.51 61.05 53.85 47.68 42.37 37.78 30.28 27.20 24.50 22.10 18.09 16.41 14.93 10.26 8.563 7.174 6.028 7.174 6.028 7.1757 1.189 5.557	CHANNELS 3 10-3 495.1 414.5 349.0 295.4 251.2 214.5 183.9 158.3 136.6 118.3 102.7 77.91 68.08 59.60 52.26 45.90 40.36 35.54 31.32 44.43 11.32 15.01 11.82 9.332 44.43 10.32 0.323 0.110	427.2 349.7 287.6 237.4 196.8 163.6 136.5 114.2 95.76 80.51 67.84 41.03 34.82 29.58 15.69 11.39 18.28 15.69 11.39 0.133 0.749 0.359 0.041 0.010	1 10 ⁻⁵ 1531. 1158. 880.9 673.9 518.6 401.5 312.6 312.6 9193.0 152.9 121.9 97.68 78.70 63.74 51.89 42.48 19.83 19.820 7.037 5.094 3.721 1.753 0.858 0.432 0.202 0.018	104 1495. 1127. 854.3 650.9 498.6 384.0 297.4 231.5 181.2 142.6 112.8 89.67 71.63 57.49 46.36 37.53 24.92 20.42 16.80 11.47 7.930 5.541 3.908 2.779 0.261 0.122 0.008	HANNELS 3 10-3 576.1 433.5 327.8 249.1 190.2 146.0 112.6 87.31 68.01 53.24 41.87 33.08 26.25 20.92 16.75 13.46 5.813 45.813 2.638 1.804 1.245 0.865 0.859 0.154 0.067 0.036 0.001	4 10 ⁻³ 554.2 415.0 312.0 235.8 178.7 136.1 104.1 19.98 61.70 47.79 37.17 29.02 22.74 17.89 14.12 11.18 8.960 7.083 5.662 4.539 2.940 1.922 1.268 0.842 0.564 0.212 0.092 0.032 0.003 0.002 .0001

3. THE CRRES DOS! TER

The CRRES dosimeter design is based upon the DMSP, but with differences which are dictated by the harsher radiation environment resulting from the CRRES orbit. The DMSP series of satellites use nearly circular "sun synchronous" orbits with an altitude of approximately 800 km. Sun synchronous orbits have a high inclination (nearly polar), and the inclination is chosen so that the orbital plane precesses in one year, with the result that they maintain the same local time on each half orbit. The CRRES satellite orbit is highly eccentric (e ~ 0.7), 350 - 37000 km altitude, and an inclination of about 18 degrees. The resulting orbit takes it through the radiation belts; the dimensions of the detectors, and the scaling of flux and dose counters have been changed to take into account the much harsher radiation environment.

Subject to possible limitations of the validity of the infinite slab computation, the analysis performed for computing the DMSP response functions and geometric factors remain valid for the CRRES dosimeters, with the principal changes due to the smaller detectors areas for detectors 1, 2 and 3.

The physical parameters for the CRRES Dosimeter are provided in Table 3.

TABLE 3. Physical and Geometric Parameters of the CRRES Detectors								
Detector #	Detector Area [cm ²]	Detector Thickness [microns]	Ratio: thickness/radius D/R	Thickness of Aluminum Hemisphere [gm/cm ²]	Minimum Proton Energy Required to Penetrate Aluminum Hemisphere [MeV]			
1	0.00815	403	0.79123	0.55	20			
2	0.051	434	0.34063	1.55	35			
3	0.051	399	0.31326	3.05	51			
4	1.000	406	0.07196	5.91	75			

4. THE PATH LENGTH DISTRIBUTION

In the path length distribution approach, the flux integral is computed by means of a transformation of variables, in which the solid angle integration variables are replaced by the path length variable. This change of variables is convenient, for the most part, since what is measured is the the energy losses in solid state detectors, and the energy losses may be computed using the empirically determined published energy-range relation laws.

The path length distribution may be considered to be either a histogram of possible path lengths or (if normalized to 1) as the probability that a particle passing through the material object in a straight line will have a given path length. The path length distribution depends only on the geometry of the detector and on the particle angular distribution. For protons, the assumption of straight line motion through the detector is an excellent approximation.

The path length distribution approach is also convenient for the use of Monte Carlo methods. Instead of computing the path length and energy loss for each Monte Carlo trial, it is only necessary only to compute the path length distribution once, and use the latter for computation of the energy loss when needed.

In using a Monte Carlo approach to computing either the usual flux integral, or in computing the path length distribution, it is important to derive the correct distribution for the physical parameters of interest. Although the procedure outlined by Sullivan [1971] for computing the flux integral (Eq. (2.1)) appears to be straight forward, it can easily be incorrectly understood and implemented. For this reason, a more general procedure, will be presented here, one which describes how to derive the correct distributions.

- (1) Pick a point x randomly on the detector surface. There are a myriad possibility of ways in which to do this, but only one method makes sense physically for a flat surface, equal probability must be assigned for equal areas.
- (2) Compute the unit normal vector n to the surface of the detector at x as a function of the angles, usually in a spherical coordinate system.
- (3) Pick an arbitrary unit vector u in the direction of the velocity vector (that is, express u in terms of the angles and other (angular distribution) parameters.
- (4) Compute the dot product of u and n (again, as a function of angles and other parameters)
- (5) Compute $d\Omega$, the element of solid angle.
- (6) Express the particle angular distribution F as a function of the solid angle parameters (and other, relevant physical parameters).

If the following product

$$F(\Omega) u \bullet n d\Omega$$

is separable in the angle variables, -- that is, it may be expressed as $(F_1(\alpha_1) \ d\alpha_1) \ (F_2(\alpha_2) \ d\alpha_2)$, then the correct probability distributions for α_1 and α_2 are given by G_1 and G_2 where $dG_1 = F_1(\alpha_1) \ d\alpha_1$ and $dG_2 = F_2(\alpha_2) \ d\alpha_2$.

If the above product is not separable, then it is still possible to evaluate the integrals using Monte Carlo methods. The method used in such cases is described in Sections 5.2.2 and 5.3.

For the isotropic case, $G_1 = \cos^2(\alpha_1)$ where α_1 is the polar angle, and $G_2 = \alpha_2$ where α_2 is the azimuth in spherical coordinates.

For Monte Carlo computations, a single trial proceeds as follows: A point on the detector is chosen at random (see (1) above), and the random numbers g_1 and g_2 are selected, and are used to compute the velocity direction \mathbf{u} . For the isotropic case, $g_1 = \cos^2(\alpha_1)$ is used to define α_1 and $\alpha_2 = 2\pi$ g_2 . The corresponding path length q is computed, and the corresponding bin for q is incremented by 1.

For a number of simple geometries, the path length distribution may be obtained from the angular distributions by means of a simple transformation of variables. This will be done below for the isotropic distribution and the mirror plane distribution for the simple example of an infinite slab, and for special orientations for a circular disk geometry for the mirror plane distribution.

4.1 INFINITE SLAB ISOTROPIC PATH LENGTH DISTRIBUTION

For this case the path length distribution computation may be obtained by means of a simple transformation of variables.

Consider a plane surface of unit area. The number of particles from an isotropic distribution striking the plane surface will be proportional to $\cos \beta \ d\Omega$ where β is the angle between the normal to the surface and the direction of incidence and $d\Omega = \sin \beta \ d\beta \ d\phi$ is an element of solid angle, where ϕ is the azimuthal angle. The probability of a particle striking the unit surface will be proportional to $d(\cos^2 \beta)$. The path length through the infinite slab will then be $q = D / \cos \beta$. Solving for $\cos \beta$ we obtain $\mu = \cos \beta = D/q$. The normalized path length distribution is obtained by transforming the probability integral $\int d\mu^2$ from μ^2 to the variable of interest q, and is given by $F(q) = |d\mu^2/dq| = 2D^2/q^3$ where $q \ge D$, and takes on a value of 0 for q < D since D is the minimum possible path length.

For a parallel Monte Carlo computation, pick random numbers μ^2 from a uniform distribution between 0 and 1, and then compute $q = D / \mu$. Form a histogram of the values of q obtained in this manner, and normalize.

The Infinite Slab Isotropic Path Length Distribution and Infinite Slab approximation computation are mathematically equivalent, in the sense that they should, except for possible numerical problems, give exactly the same result. One practical difficulty arises, that there is no maximum path length, and it is necessary to truncate the path length distribution in order actually perform the calculation. There is a "natural" cutoff for the path length: The maximum possible path length within the detector, which is given by $q_{\max} = 1 (4 R^2 + D^2)$. The truncated path length distribution take the form (before normalization) of $1/q^3$ for $0 \le q \le q_{\max}$, and 0 for $0 \le q \le q_{\max}$. This truncated path length distribution will be used to describe the effect of longer path lengths on the geometric factor computations later in this report.

4.2 INFINITE SLAB MIRROR PLANE DISTRIBUTION

The detector geometry for the mirror plane case is illustrated in Figure 1 for a disk shaped detector. The mirror plane geometry is defined by λ , the angle between the magnetic field vector B and the normal to the detector surface n. Each plane perpendicular to B is a mirror plane. For each point either on the detector top surface, or within the volume of the detector, there is a single mirror plane upon which the point lies. In the coordinate system used here, the vector n points towards the positive z axis, and the x axis lies in the plane defined by B and n. The y axis is perpendicular to both B and n. The angle y is defined as the angle in the mirror plane between -n and the positive y axis. The appropriate angular distribution for y will now be derived. In this case, the element of "solid angle" is simply dy.

The top surface of the detector is described by the set of position vectors $x_t = (x,y,D)$. The bottom surface is described by the set of vectors $x_b = (x',y',0)$. Let B denote the magnetic field vector. Let λ denote the angle between B and the normal to the detector surface n = (0,0,1), then $B = B (\sin \lambda, 0, \cos \lambda)$. An arbitrary unit vector u in a plane perpendicular to B (a mirror plane) is given by $u = (\cos \lambda \cos \gamma, \sin \gamma, -\sin \lambda \cos \gamma)$. The path length q from x_t to x_b is obtained by solving the equation $x_b - x_t = qu$. The result $q = D/(\sin \lambda \cos \gamma)$ follows from $x' = x + D \cot \lambda$, $y' = y + D \tan \gamma/\sin \lambda$ and $D = -(z' - z) = q \sin \lambda \cos \gamma$. The dot product $u \cdot n = -\sin \lambda \cos \gamma$, and we obtain $|dG/d\gamma| = \sin \lambda \cos \gamma$.

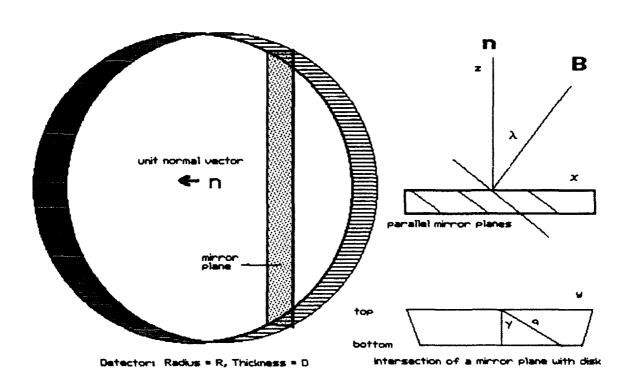


Figure 1. Detector geometry for the mirror plane case.

Since $\sin \lambda$ is a constant, it can be incorporated into the overall constant factor for the flux integral; thus we choose $dG = d(\sin \gamma)$. From

$$\cos \gamma = \left(\frac{D}{q \sin \lambda}\right)$$
 we obtain $\frac{d \sin \gamma}{dq} = \frac{D^2}{q^2 \sin \lambda \sqrt{q^2 \sin^2 \lambda - D^2}}$

The expression on the right hand side is the desired path length distribution. Note that it is singular at $\lambda = 0$ (all path lengths are infinite!) and, for non-zero λ , at the minimum path length $q = D/\sin \lambda$.

For the parallel Monte Carlo computation, a single trial consists of picking a value of $\sin \gamma$ from a uniform distribution, computing q, and incrementing the counter corresponding to the bin containing the value of q. Normalize the resulting counts for the corresponding path length distribution.

4.3 MIRROR PLANE DISTRIBUTION FOR A DISK: SPECIAL CASE $\lambda = 0$

For this case, since the magnetic field is perpendicular to the top surface of the disk, every horizontal plane through the disk is a circle, and every path length is a chord. Choose an arbitrary point at the edge of the circle, and, using cartesian coordinates in the plane, choose that location as (0, 0). The length of the chord are then given by $q = 2R\cos\gamma$. The normal vector n to the circle at (0, 0) is given by n = (-1, 0). The unit velocity vector is given by $(\cos\gamma, \sin\gamma)$. From $u \cdot n = -\cos\gamma$ it follows that $dG = -d\sin\gamma$. Solving for $\sin\gamma$ in terms of q, and computing |dG/dq|, it follows that:

$$\sin \gamma = \sqrt{1 - \frac{q^2}{4R^2}}, \left| \frac{dG}{dq} \right| = \frac{q}{4R^2 \sqrt{1 - \frac{q^2}{4R^2}}}$$

The above distribution is singular at q = 2R.

5.0 MONTE CARLO PATH LENGTH DISTRIBUTION COMPUTATIONS

In this section, we shall describe the Monte Carlo computations used to compute the path length distributions for the isotropic, mirror plane and $\sin^N \alpha$ distributions. For each of these distributions, it was necessary to break the calculation into two parts, corresponding to the case (Case 1) in which a proton enters the detector through the top surface, and leaves either through the bottom of the detector or through the side of the detector, and the case (Case 2) in which a proton enters the detector through the side and leaves either through the bottom or through the side of the detector. A geometric argument is then needed to combine the results of the two cases. Graphs are provided for the computed path length distributions.

5.1 ISOTROPIC PATH LENGTH DISTRIBUTION

5.1.1 Case 1: Top to Bottom, Top to Side Contributions

In the coordinate system used below, the center of the bottom detector is placed at the origin of the x, y plane. The z direction is the polar axis in spherical coordinates. The polar angle is β , and the azimuth angle is ψ , measured in the x, y plane from the x axis towards the y axis.

A Monte Carlo "trial" consists of the following steps: Select a random point (position vector) (x,y,D) on the top surface (with the requirement that equal areas correspond to equal probability). Then select the velocity direction (unit vector) $\mathbf{u} = (\cos \psi \sin \beta, \sin \psi \sin \beta, -\cos \beta)$ of the particle as follows: Select $\mu^2 = \cos^2 \beta$ from a uniform distribution in the interval [0, 1], where β is the angle between the normal to the surface and the direction of incidence (see Section 4.1). Compute $\cos \beta$ and $\sin \beta$. Select the direction of the projection of the velocity vector onto the plane of the disk ψ from a uniform distribution in the interval $[0, 2\pi]$, and compute \mathbf{u} . Then use a trial value $q = D/\cos \beta$, and test whether $(x + q \cos \psi \sin \beta)^2 + (y + q \sin \psi \sin \beta)^2 \le R^2$. If so, increment the appropriate top-bottom bin counter for q by 1. If not, solve the quadratic equation $(x + q \cos \psi \sin \beta)^2 + (y + q \sin \psi \sin \beta)^2 = R^2$ for q, and increment the appropriate top-side bin counter for q by 1.

The Case 1 contribution to the path length distribution is the sum of the top-bottom and top-side contributions, normalized, so that the sum over path lengths is equal to 1.

The results of the above calculation for CRRES detectors 1-4 are provided in graphical form in Figures 2 to 5 respectively, each using 2500 bins and 500,000 trials. Note that the top-bottom contribution is zero until it reaches q/D = 1, at which there is a sharp discontinuity and peak, and then gradually decreases to 0 at $q_{max} = \sqrt{(4 R^2 + D^2)}$. The top to side contribution is flat until it reaches q/D = 1, and then gradually decreases to 0 at q_{max} .

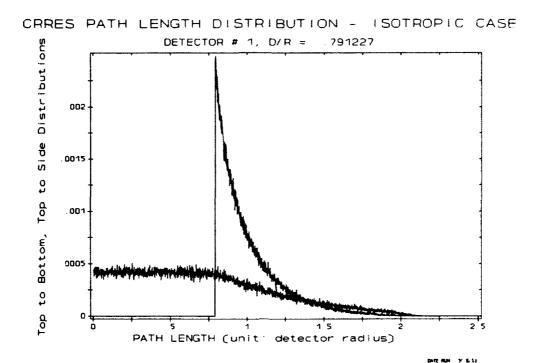


Figure 2.

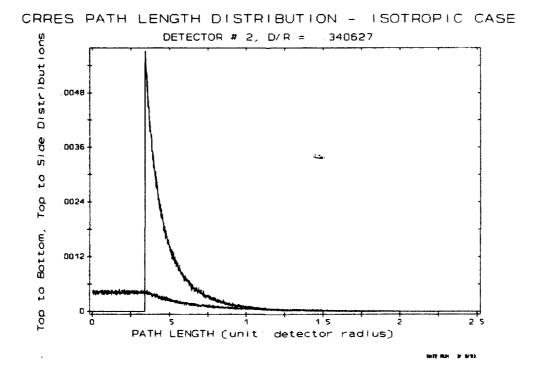


Figure 3.

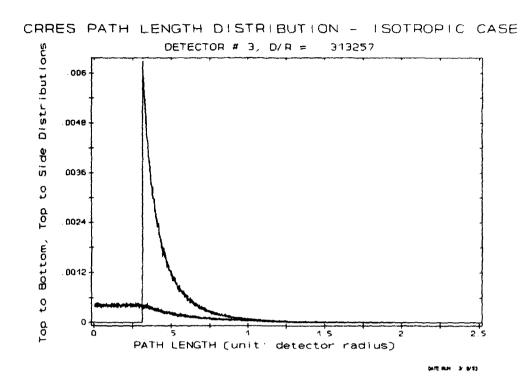


Figure 4.

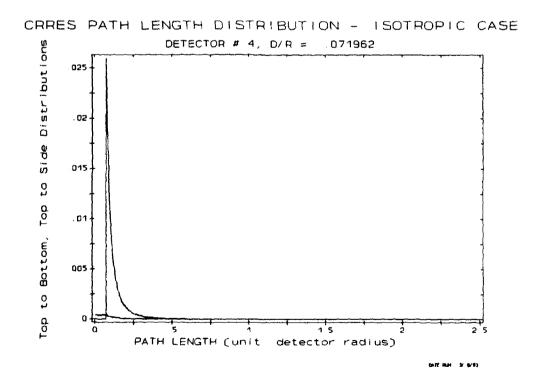


Figure 5.

5.1.2 Case 2: Side to Bottom, Side to Side Contributions

The coordinate system is the same as that used for Case 1, but the spherical coordinate system axis is the x axis, θ is the polar angle, and ϕ is the azimuth angle, measured from the y axis towards the -z axis.

A Monte Carlo "trial" consists of the following steps: For an arbitrary point on the circumference of the disk, randomly select a height h above the bottom surface from a uniform distribution in the interval [0, D]. For reasons of symmetry, the position vector of that point may be chosen to be (-R,0,h). The velocity direction (unit vector) $u = (\cos \theta, \cos \phi \sin \theta, -\sin \theta \sin \phi)$ of the particle is selected as follows: Select $\cos^2 \theta$ from a uniform distribution between [0, 1]. Select ϕ from a uniform distribution in the interval $[0, \pi]$ and compute u.

Note that the above computation takes only downward moving (or in the limiting case, sideways) particles; from the symmetry of the isotropic distribution, upwards moving particles would produce the same distribution. Upward moving particles are blocked by the shielding provided by instrument housing and the spacecraft. Since the distribution is normalized to one, it will be later necessary to take into account only the downwards moving particles.

For the trial value $q = h/(\sin \theta \sin \phi)$ test whether $(-R + q \cos \theta)^2 + (q \cos \phi \sin \theta)^2 \le R^2$. If so, increment the appropriate side-bottom bin counter for q by 1. If not, select the trial value $q = 2 R \cos \theta/(\cos^2 \theta + \sin^2 \theta \cos^2 \phi)$. If $0 < q \sin \theta \sin \phi \le h$ increment the appropriate side-side bin counter for q by 1.

The Case 2 contribution to the path length distribution is the sum of the side-bottom and side-side contributions, normalized, so that the sum over path lengths is equal to 1.

The results of the above calculation for CRESS detectors 1-4 are provided in graphical form in Figures 6 to 9 respectively, each using 2500 bins and 500,000 trials. Note that the side-bottom contribution is relatively flat up to q/D=1, and then decreases (rapidly for detectors 2-4) to 0 at $q_{\rm max}$. The side-side contribution increases linearly from q=0, and develops a sharp peak at q=2 R, the relative size of which strongly depends upon D/R.

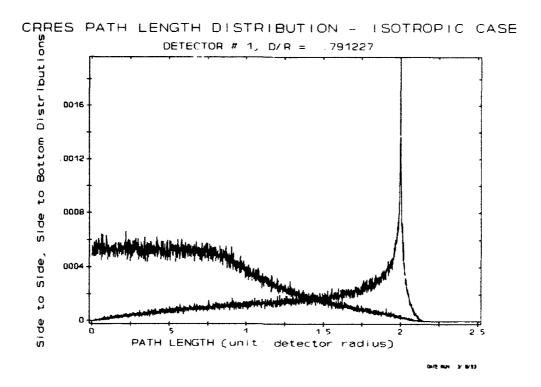


Figure 6.

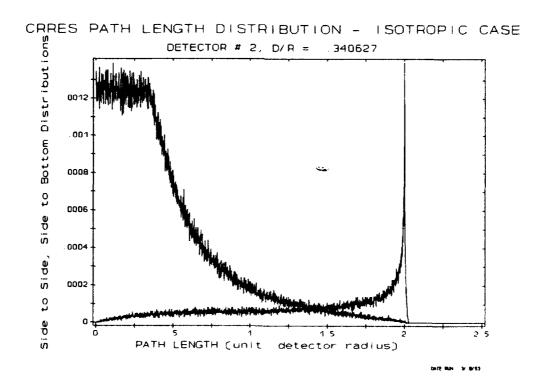


Figure 7.

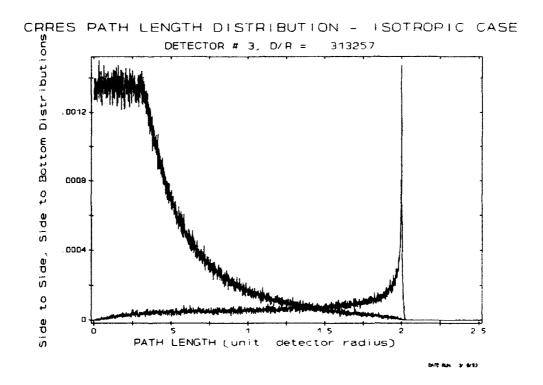


Figure 8.

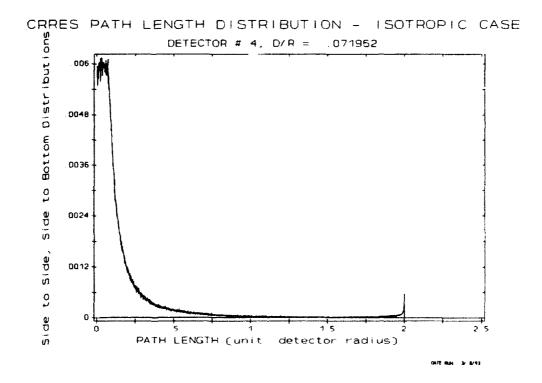


Figure 9.

5.1.3 Complete Isotropic Distribution

To combine the Case 1 and Case 2 Monte Carlo contributions into a single path length distribution, it is necessary to determine the relative path length contributions entering from the top and from the side. For the Case 1 computation, the number of particles striking the top of the detector is proportional to the surface area, πR^2 . The Case 2 computation was based upon the contribution due to particles striking the detector along a vertical line on the boundary. The number of particles striking the detector from the side is proportional to $2 \pi D R$, of which only one half of which are moving downwards. The normalized path length distribution P is the weighted sum of the normalized Case 1 and Case 2 contributions T, S, and is given by:

$$P(q) = \frac{T(q) + \frac{D}{R} S(q)}{1 + \frac{D}{R}}$$
 (5.1)

The complete path length distributions for CRRES Detectors 1-4 are shown in Figures 10 to 13. For comparison, the truncated infinite slab isotropic path length distribution with the same normalization is also displayed. As expected, for small D/R (detector 4) the differences are barely detectable, moderate for detectors 2 and 3 and substantial for detector 1.

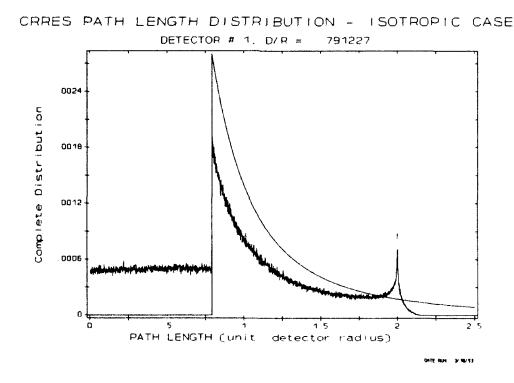


Figure 10.

CRRES PATH LENGTH DISTRIBUTION - ISOTROPIC CASE

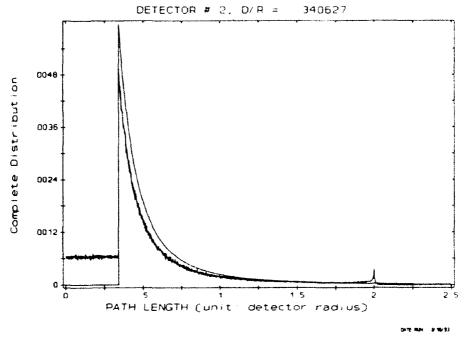


Figure 11.

CRRES PATH LENGTH DISTRIBUTION - ISOTROPIC CASE
DETECTOR # 3, D/R = 313257

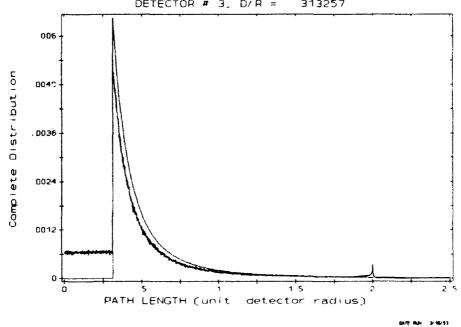


Figure 12.

CRRES PATH LENGTH DISTRIBUTION - ISOTROPIC CASE

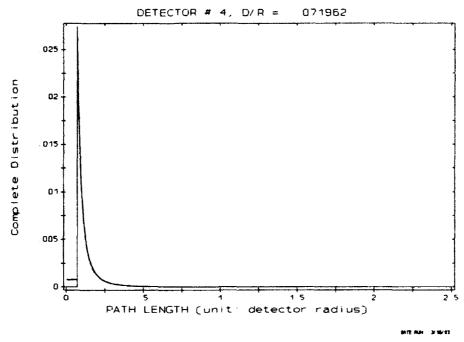


Figure 13.

5.2. MIRROR PLANE PATH LENGTH DISTRIBUTION

Again, as was the case for the Isotropic case, it is convenient to separate the computation of the Mirror Plane Path Length distribution into two parts, corresponding to particle entry from the top, and from the side. For the latter, only downward moving particles are considered; upward moving particles are screened by instrument housing and by the satellite itself.

5.2.1 Case 1: Top to Bottom, Top to Side Computation

The top surface of the detector is described by the set of position vectors $x_t = (x, y, D)$ where $x^2 + y^2 \le R^2$ (see Figure 1). The bottom surface is described by the set of vectors $x_b = (x', y', 0)$ where $x'^2 + y'^2 \le R^2$. The magnetic field vector is given by B = B (sin $\lambda, 0, \cos \lambda$). The unit normal to the detector top surface is given by (0,0,1). An arbitrary unit vector u in a plane perpendicular to B (a mirror plane) is given by $u = (\cos \lambda \cos \gamma, \sin \gamma, -\sin \lambda \cos \gamma)$. The path length q from x_t to x_b may be obtained from $x_t - x_t = qu$. The result $q = D/(\sin \lambda \cos \gamma)$ follows from $x' = x + D \cot \lambda$, $y' = y + D \tan \gamma/\sin \lambda$ and $D = -(z' - z) = q \sin \lambda \cos \gamma$. The top-bottom situation requires that both of the conditions $x^2 + y^2 \le R^2$ and $x'^2 + y'^2 \le R^2$ must be satisfied.

A Monte Carlo "trial" consists of the following steps: Select a random point (position vector) (x,y,D) on the top surface (with the requirement that equal areas correspond to equal probability). Then select the velocity direction (unit vector) u. For reasons explained in Section 4.2, select $\sin \gamma$ from a uniform probability distribution in the interval [-1, 1]. A trial value of q is computed using the equation $q = D/\sin \lambda \cos \gamma$. The vector q u from P in the direction defined by λ and γ is then computed. If the resulting point Q = (x', y', z') satisfied the condition $x'^2 + y'^2 \le R^2$ then a top to bottom counter corresponding to an interval (bin) for the value of q (for the top-to-bottom case) is incremented.

Otherwise, the quadratic equation in q

$$(1 - \sin^2 \lambda \cos^2 \gamma) q^2 + 2 (x \cos \gamma \cos \lambda + y \sin \gamma) q + (x^2 + y^2 - R^2) = 0$$
 (5-2)

which implements the conditions $x'^2 + y'^2 = R^2$, $0 \le z' < D$ is solved, and the top to side counter corresponding to q is incremented.

For $\lambda=0$ there is no top to bottom or top to side contribution because of the sin λ term factor in the flux integral. There is no top to bottom contribution for $\lambda<\arctan(D/2R)$, and the top to side contribution takes on a characteristic form, as shown in Figure 14 for detector 1 at $\lambda=20$ degrees. For $\lambda\geq\arctan(D/2R)$ the top to side contribution is zero for path lengths q/R< D cotan λ , a sudden jump to its maximum value, and then undergoes a rapid decline to zero at the maximum possible path length q_{\max} , as shown in Figure 15 for detector 1 at 25 degrees. The top to side contribution undergoes a rapid decline for q/R>D cotan λ . The top to bottom contribution for larger λ exhibits similar behavior; the top to side contribution is flat up to q/R=D cotan λ and declines rapidly to zero, as is shown in Figure 16 for detector 1 at $\lambda=60$ degrees.

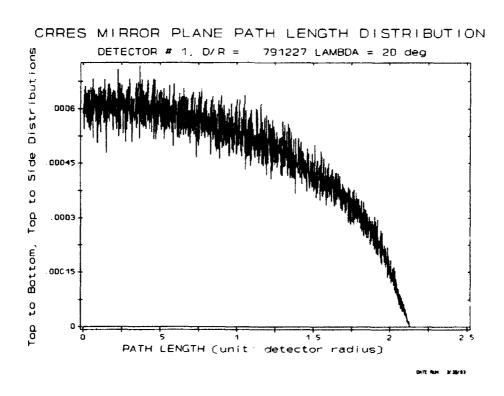


Figure 14.

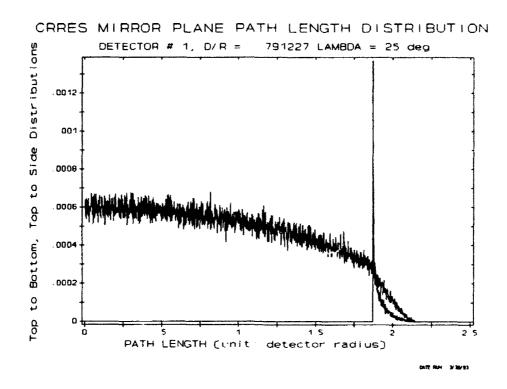


Figure 15.

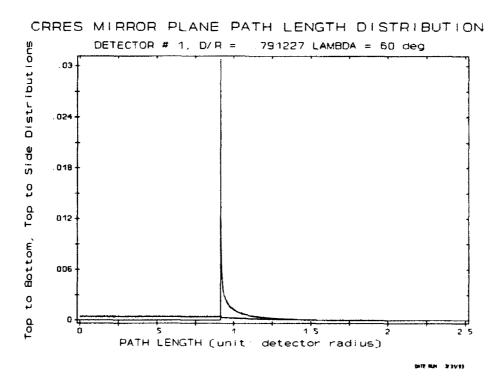


Figure 16.

5.2.2 Case 2: Side to Bottom, Side to Side Contributions

Equation (2.2) is not applicable in this case, since the side of the detector is not a flat surface. The integral over the area must be explicitly be taken into account. The Case 2 contribution to the response function (energy dependent geometric factor) $G_{\bullet}(E)$ is given by the following integral:

$$G_{side}(E,\lambda) = \int_{S} dA \int_{\Omega} d\Omega \, \eta_{k}(\Omega, E, \dots) \, u \cdot n \, h(\Omega)$$
 (5-3)

The element of the detector surface area is given by $dA = R d\phi dz$, resulting in the following integral:

$$G_{side}(E,\lambda) = R \int_{0}^{D} dh \int_{-\pi}^{\pi} d\phi \int_{-\pi}^{\pi} d\gamma \, \eta_{k}(E,\lambda,\gamma,\phi) \, (\cos \lambda \, \cos \gamma \, \cos \phi + \sin \gamma \, \sin \phi) \quad (5-4)$$

Using trigonometric identities, Equation (5-4) may be rewritten as follows:

$$G_{side}(E,\lambda) = R \int_{0}^{D} dh \int_{-\pi}^{\pi} d\gamma \int_{-\pi}^{\pi} d\phi \, \eta_{k}(E,\theta,\gamma,\lambda) \left[\cos^{2} \frac{\lambda}{2} \cos(\phi-\gamma) - \sin^{2} \frac{\lambda}{2} \cos(\phi+\gamma) \right]$$
 (5-5)

Since equations (5-4) and (5-5) are not separable, it is not possible to use the procedure described at the beginning of Section 4. An alternative Monte Carlo approach for computing the path length distribution is required. Here both γ and ϕ are chosen from uniform distributions. The path length q is then computed and the bin "counter" for q is incremented by $u \cdot n$. An additional counter is required for the number of successful trials.

A single trial proceeds as follows: Select γ and ϕ from uniform distributions in the interval $[0, 2\pi]$, and h from the interval [0, D]. The coordinates of a point on the side of the detector are given by $x = (R\cos\phi, R\sin\phi, h)$. Compute u and $u \bullet n$, reject the trial if $u \bullet n < 0$ or if u_z , the z component of u > 0 (upward moving particles are screened by the spacecraft and instrument housing). Using a trial value of $q = h/\sin\lambda\cos\gamma$, compute x' = x + qu. If $x' \bullet x' < R^2$, increment the side-bottom counter by $u \bullet n$. Otherwise, compute $q = 2Ru \bullet n / (1 - \sin^2\lambda\cos^2\gamma)$ and increment the side-side counter by the same amount.

The Case 2 path length distribution will be the sum of the side-bottom and the side to side contributions divided by the number of successful trials, and, for a particular path length q represents the contribution to the average value of $u \cdot n$ for the path lengths in the bin for the successful trials.

The results of the Side to Bottom and Side to Side computations are shown graphically in Figures 17 to 19 for detector 1 for $\lambda = 20$, 25 and 60 degrees. The side to side component has a sharp peak at q = 2 R, and is present for all values of λ . There is no side to side "tail" (contribution) for q/R > 2 at $\lambda = 0$, and the tail "grows" towards q_{max} as λ increases up to $\arctan(D/2R)$. The side to bottom component decreases slowly as q increases from 0 to D cotan λ , and then rapidly decreases to 0.

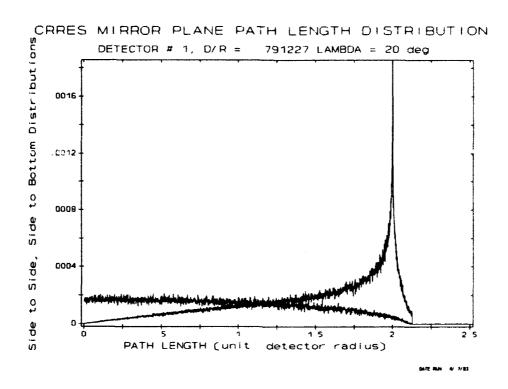


Figure 17.

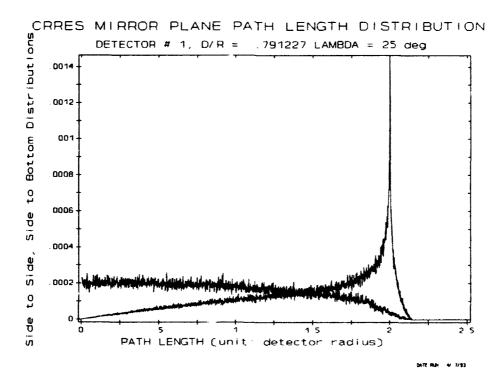


Figure 18.

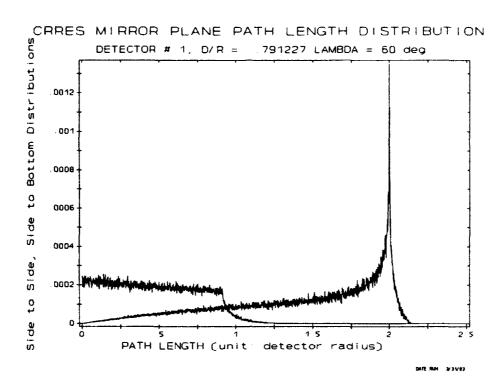


Figure 19.

5.2.3 Complete Mirror Plane Path Length Distribution

The complete path length distribution is obtained by considering the response function as a weighted sum of the Case 1 and Case 2 contributions, each of which may be expressed as an integral of the form Eq. (4-3). For Case 1, since the top surface is flat, the integral over the area may be performed directly, leaving the result

$$G_{t,k}(E,\lambda) = \pi R^2 \sin \lambda \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \eta_k(E,\gamma,\ldots) \cos \gamma \, d\gamma$$
 (5-6)

The path length distribution for Case 1 is normalized, that is, the integration over path length is equal to 1. This corresponds to setting $\eta_k = 1$, resulting in 2 π R² for the integral (4.3), and the contribution due to a particular path length q is given by 2 π R² T(q) where T is the Case 1 component of the path length distribution.

For Case 2, the corresponding integral is given by Equation (5-4) or (5-5). For a given path length q, the computed value of the path length distribution S(q) is the contribution to the integral $u \cdot n$ for path lengths in the bin, and the sum of the path length distribution represents the average value of $u \cdot n$ from which we conclude that, since the ranges of integration for γ and ϕ are $[0, 2\pi]$, it follows that:

$$\frac{N_{successful}}{N_{total \ trials}} \qquad S(\lambda, q) = \frac{1}{4\pi^2} \int u \cdot n \ d\gamma \ d\phi \tag{5-7}$$

The above result takes into account the fact that both upward directed particles and particles for which $u \cdot n < 0$ are rejected. The range of the integral on the right hand is only over the ranges for γ and ϕ corresponding to successful trials. Computationally, the ratio of successful to total trials, is very close to 1/4. From this result, it follows that the path length distribution P and the response function G are given by:

$$P(\lambda,q) = \sin \lambda \ T(\lambda,q) + \frac{\pi D}{2R} \ S(\lambda,q)$$

$$G_k(\lambda,E) = 2A \int \eta_k(E,q,...) \ P(\lambda,q) \ dq$$
(5-8)

The resulting path length distributions for detector 1 at $\lambda = 20$, 25 and 60 degrees are provided in Figures 20 to 22.

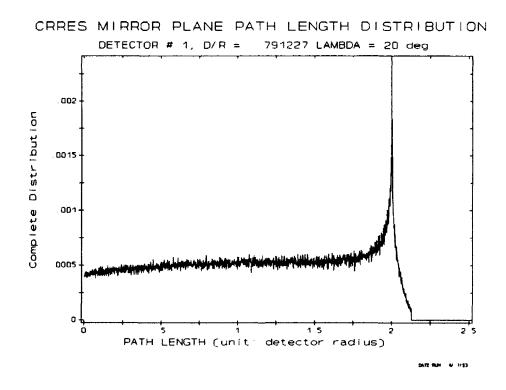


Figure 20.

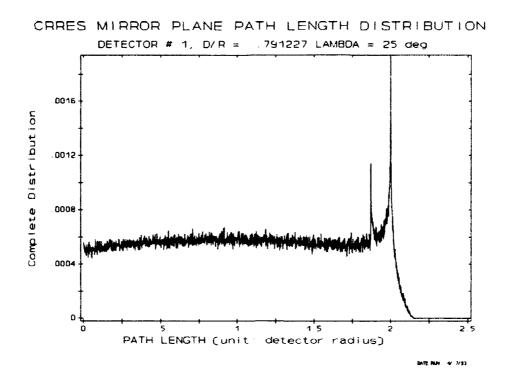


Figure 21.

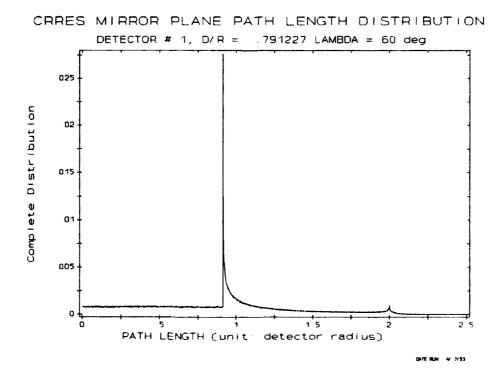


Figure 22.

5.3 $Sin^N(\alpha)$ PITCH ANGLE DISTRIBUTION

Here again the computation is split into two cases, the first for protons entering from the top, and exiting through the bottom or the side, and the second for protons entering the side, and exiting through the side or bottom.

5.3.1 Case 1: Top to Bottom, Top to Side Contributions

We shall now attempt to apply the procedure described in Section 4 for the $\sin^N \alpha$ pitch angle distribution top entry case. The unit vector u in the velocity direction is given by:

$$u = \cos \alpha b + \sin \alpha c$$
 where $b = (-\sin \lambda, 0, -\cos \lambda) = -\frac{B}{B}$,
and $c = (\cos \lambda \cos \gamma, \sin \gamma, -\sin \lambda \cos \gamma)$ (5-9)

is a unit vector in the plane orthogonal to **B**. Note that for the Mirror Plane case $\mathbf{u} = \mathbf{c}$ was used. The normal to the detector surface is given by $\mathbf{n} = (0,0,1)$. The resulting expression for dG is as follows:

$$dG_{c}(E,\lambda) = \sin^{N} \alpha (\cos \alpha \cos \lambda + \sin \alpha \sin \lambda \cos \gamma) d\Omega$$
 (5-10)

Here we may set $d\Omega = d\gamma d \cos \alpha$; here γ is the so-called phase angle. This expression is clearly separable *only* for the cases $\lambda = 0$ and 90 degrees, where the distributions for γ are $d\gamma$ and $d \sin \gamma$ respectively.

Since dG is not separable, we may use a Monte Carlo approach which is similar to that used for the Side entry case for the Mirror Plane distribution. The top entry contribution to the response function is given by the following integral:

$$G_{top,k}(E,\lambda,..) = \frac{\int_{0}^{R} \rho \ d\rho \int_{-\pi}^{\pi} d\phi \int_{-\pi}^{\pi} d\gamma \int_{0}^{\pi} d\alpha h(\alpha) \sin \alpha u \cdot n \eta_{k}(E,...)}{\int_{0}^{\pi} h(\alpha) \sin \alpha d\alpha}$$
(5-11)

where $h(\alpha) = \sin^{N} \alpha$. The integral in the denominator is required for the normalization of the pitch angle distribution (weighted by $\sin \alpha$). Expressing the above result in terms of a Monte Carlo summation, we obtain

$$G_{lop,k}(E,\lambda,...) = \frac{R^2}{2} 4\pi^2 \frac{\sum_{i} h(\alpha_i) \sin \alpha_i (u \cdot n)_i (\eta_k(E,...))_i}{\sum_{i} h(\alpha_i) \sin \alpha_i}$$
(5-12)

Where the summation is over the Monte Carlo trials. Sorting the trials into path length bins, and using the fact that η_k depends only upon the path length and incident energy, it follows that

$$G_{top,k}(E,\lambda,...) = A \sum_{q} T(\lambda,q) \eta_{k}(E,q)$$
where
$$T(\lambda,q) = \frac{2 \pi \sum_{i, q_{i} \in B(q)} h(\alpha_{i}) \sin \alpha_{i} (u \cdot n)_{i}}{\sum_{i} h(\alpha_{i}) \sin \alpha_{i}}.$$
(5-13)

Where A is the area of the top detector surface and B(q) is the bin corresponding to q.

For a given value of N and λ , the procedure for a single Monte Carlo trial is as follows: Select a point on the top surface of the disk x=(x,y,D), assigning equal weights to equal areas. In polar coordinates, this is accomplished by picking a random number w from a uniform distribution in [0, 1] and θ from a uniform distribution in $[0, 2\pi]$, and selecting $r=R\sqrt{w}$, and $x=r\cos\theta$, $y=r\sin\theta$. Then select α and γ from uniform distributions in the intervals $[0, \pi]$ and $[-\pi, \pi]$ respectively. Compute the unit vector in the direction of the velocity u. Compute $u \cdot n = -u_z$; if $u_z > 0$, reject the trial, otherwise compute $\sin^N \alpha$. Assuming $q = D/u_z$, (top-bottom case), compute x' = (x', y', z') = x + q u. If $x'^2 + y'^2 \le R^2$, then increment the top-bottom counter for q by $-\sin^{N+1} \alpha u \cdot n$, the normalization counter by $\sin^{N+1} \alpha$, and the "successful trial" counter by 1. Otherwise, solve the quadratic equation

$$(1 - u_z^2) q^2 + 2 (x u_x + y u_y) q - (1 - x^2 - y^2) = 0$$

for q, and compute x' = x + q u. If z' > 0, increment the top-side counter for q by $-\sin^{N+1} \alpha u \cdot n$, the normalization counter by $\sin^{N+1} \alpha$, and the "successful trial" counter by 1.

5.3.2 Case 2: Side to Bottom, Side to Side Contributions

The side entry contribution to the response function is given by the following integral:

$$G_{side,k}(E,\lambda,...) = \frac{\int_{0}^{D} dz \int_{-\pi}^{\pi} R d\phi \int_{-\pi}^{\pi} d\gamma \int_{0}^{\pi} d\alpha h(\alpha) \sin \alpha u \cdot n \eta_{k}(E,...)}{\int_{0}^{\pi} h(\alpha) \sin \alpha}$$
(5-14)

Expressing the above result in terms of a Monte Carlo summation, we obtain:

$$G_{side,k}(E,\lambda,...) = R D 4 \pi^2 \frac{\sum_{i} \sin \alpha_i (\mathbf{u} \cdot \mathbf{n})_i (\eta_k(E,...))_i}{2 \sum_{i} h(\alpha_i) \sin \alpha_i}$$
(5-15)

The factor of 2 in the denominator arises from the Monte Carlo computation, in which only successful trials are considered in both the denominator and numerator, and the fact that half of the α values will be rejected. Again, sorting the trials into path length bins, and using the fact that η_k depends only upon the path length and incident energy, it follows that

$$G_{side,k}(E,\lambda,...) = R D \sum_{q} S(\lambda,q) \, \eta_{k}(E,q)$$
where
$$S(\lambda,q) = \pi \frac{\sum_{i, q_{i} \in B(q)} h(\alpha_{i}) \sin \alpha_{i} \, (u \cdot n)_{i}}{\sum_{i} h(\alpha_{i}) \sin \alpha_{i}}$$
(5-16)

The Monte Carlo calculation proceeds in the same manner as for the side entry case for the mirror plane distribution (Section 5.2.2), except for weighting $u \cdot n$ by $h(\alpha) \sin \alpha$, use of the additional normalization counter, and that u is defined by Equation 5-9.

5.3.3 Complete Sin^N α Pitch Angle Path Length Distribution

Defining the path length distribution by:

$$P(\lambda,q) = T(\lambda,q) + \frac{D}{R}S(\lambda,q)$$
we obtain
$$G(E,\lambda) = A \sum_{q} P(\lambda,q) \eta_k(E,q).$$

5.3.4 Comparison of Mirror Plane and Sin^N α Pitch Angle Path Length Distribution for Large N

The Mirror Plane distribution is the large N limit of the $\sin^N \alpha$ path length distribution; as a result, we should expect to find that the corresponding path length distributions should be similar. As a check on these computations, comparison of the mirror plane path length distributions and the N = 999 pitch angle have been made at 0, 30, 60 and 90 degrees. Geometric factors have also been computed for power law spectra, tables of which are provided in Section 7. The N = 999 case does exhibit significant differences from the mirror plane case, particularly at $\lambda = 0$ for detector 4, and at 30 degrees for detector 1. For $\lambda = 0$, the only contributions to the mirror plane path length distribution are from the side to side component. For the N = 999 case there are no top-bottom contributions for detectors 1-3, but there is a noticeable contribution for detector 4. Small top to side contributions are present for all detectors. The side to side contribution is the most prominent, but there is a significant side to bottom component for detector 4, resulting from low angle grazing particles (Note: .5 < $\sin^{999} \alpha$ for $87.9 < \alpha < 92.1$ degrees). As a result, the LOLET contributions for detector 4 are an order of magnitude greater than is the case for the mirror plane distribution. The side-entry contributions for detector 4 at $\lambda = 0$ for the mirror plane and N = 999 side entry contributions are shown in Figures 23 and 24 [The normalization of the latter is twice that of the former]. The side to bottom component for the latter, and a small top to side contribution (not shown) appear to be responsible for the LOLET order of magnitude increase and the significant HILET differences found in the geometric factors for this detector.

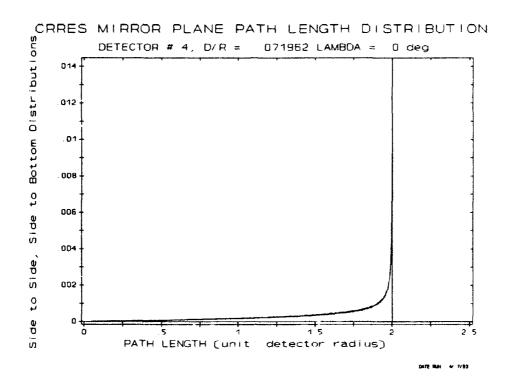


Figure 23.

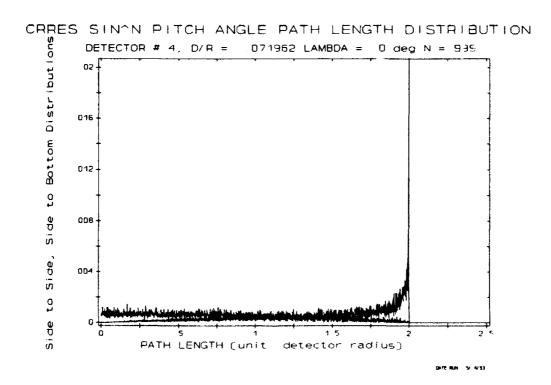


Figure 24. $\sin^{999} \alpha$ Pitch Angle Distribution

6. RESPONSE FUNCTION CALCULATIONS

The DMSP and CRRES dosimeter detectors are solid state detectors, composed mostly of silicon. They detect the passage of a particle (charged particle or photon) by the ionization produced when the particle passes through the detector. The detectors usually have thin conducting layers on the top and bottom surfaces, and form a capacitor. A voltage is applied to the capacitor, and the passage of the particle through the detector results in a momentary current (pulse) which is related to the energy loss experienced by the particle in its passage through the detector. The current produced (the pulse height) is then measured, and the detector's electronic components report the estimated energy loss.

Each of the CRRES dosimeter detectors consist of a hemispherical aluminum housing which is used to exclude charged particles with energies below a certain threshold limit. At the center of the hemispheric shell is a silicon detector. Except for a portion of the CRRES detector # 1, the active region of the detectors is a circular disk. The "dead" region bounding the disk is not modeled. The energy deposited in its active region by high energy ions is measured, and the flux and dose counts are reported as follows: There are three ranges (channels) to which the instruments respond, LOLET (energy depositions of 0.05-1 MeV), HILET (energy depositions of 1 - 10 MeV), and star events (energy depositions greater than 20 MeV).

The computation of the Dosimeter flux and dose channel response functions proceeds as follows: For a given incident proton energy E, the energy E' remaining after passage through the aluminum hemispheric shield is computed using the Janni Range-Energy tables for Aluminum [Janni, 1982]. Then the flux and dose channel integrals are computed for protons of energy E' incident on the detector. These calculations are repeated for each value of energy of interest, and function of energy obtained in this manner is called the response function.

Different methods and approximations are used to compute the integrals. In this section, the different methods and approximations are described, and the response functions obtained using these methods is provided in graphical form.

6.1 ISOTROPIC CASE

For an isotropic distribution the energy dependent geometric factor or the response function for the k'th channel is an integral of the form:

$$G_k(E) = \int_{S} dA \int_{\Omega} \eta_k(\Omega, E) \ u \cdot n \ d\Omega \tag{6.1}$$

over solid angle where η_k is the detector efficiency function, S is the surface of the detector. For the dosimeter flux channels, the detector efficiency function takes on the value 1 or 0, 1 if the energy deposited by a proton in the active region of the detector lies within the range of 0.05 - 1 MeV for the LOLET channel, and 1-10 MeV for the HILET channel, otherwise 0. For the dose channels, the efficiency function takes on a value between 0 - 15, depending upon the amount of energy deposited in the detector for the appropriate LOLET and HILET channels. The tables used for the DMSP and CRRES dose channels are taken from Sellers, et al. [1981] and Morel, et al. [1989] respectively.

For the infinite slab approximation, the flux and dose count integrals have been computed analytically

using a method described in Gussenhoven et al [1986]. In this method, the bare detector response function is computed for a detector having a one cm² surface area and a 400 micron thickness. The energy - range relation of Bischel and Tschalaer [1967]: $R[\text{silicon}] = 11.824 \ E^{1.772518}$, E in MeV, R in microns was used, and was used in the computations presented here. The value of the response function for incident external E is obtained by computing the remaining energy after passage through the hemispheric dome E', evaluating the bare detector response for E', and multiplying by the area of the detector.

As a check upon the Monte Carlo methods used for computing the path length distributions, a Monte Carlo calculation of the bare detector response function was also performed, with identical results to those obtained by the analytic method. Figures 25 and 26 provide graphs of the bare detector flux and dose repsonse functions obtained from the Monte Carlo calculation. The graphs represent 100,000 trials per energy value, which was computed at 0.001 MeV intervals between 0.05 and 1.0 MeV, 0.01 intervals between 1 and 10 MeV, 0.1 intervals between 10 and 100 MeV, and 1.0 intervals between 100 - 1010 MeV.

In addition, direct Monte Carlo computations of the detector response functions were also performed. The Monte Carlo Infinite Slab Approximation Response Functions for CRRES Detector 1 are provided in graphical form in Figures 27 and 28 for flux and dose respectively. For the dose graph, the dose count is multiplied by the average energy loss/count. Not visible on the graphs is a narrow spike in the Lolet channel at the energy threshold. A characteristic of the infinite slab approximation is minimum path length, which, for the isotropic case, is the detector thickness. This is evident in the graphs by the gap between the onset of Hilet response and Lolet response. Another characteristic, the lack of path length cutoff, is evidenced by the lack of a cutoff in the Hilet response.

To avoid numerical problems for the direct calculation of the geometric factor for power law spectra, an integration step size of 0.001 MeV for an interval of about 0.25 MeV around the threshold energy was used, an interval of 0.01 used up to 5 MeV above the threshold, 0.1 up to 100 MeV and 1.0 up to 1000 MeV. The maximum difference for the geometric factors using the Monte Carlo approach and the analytic computation was about 2%.

Figures 29 and 30 are the corresponding graphs for the Truncated Infinite Slab Approximation for Detector 1, in which the path lengths longer than $q_{\rm max} = \sqrt{(4R^2 + D^2)}$ are excluded. The resulting path length distribution is renormalized. The cutoff in the Hilet response reflects the absence of path lengths longer than $q_{\rm max}$. The energy offset between the HILET and LOLET response reflects the absence of path lengths shorter than the detector thickness.

Figures 31 and 32 are the corresponding graphs for the Path Length Distribution Computation for Detector 1. Note the Hilet cutoff, and the lack of an offset between the HILET and LOLET response. The graphs for detectors 2 - 4 are not included here; they are similar, but differ in the location of the threshold energy and the HILET cutoff. For Detector 4 (not shown) the HILET cutoff is beyond 1000 MeV.

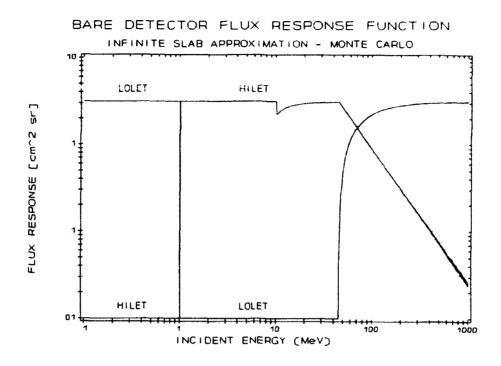


Figure 25.

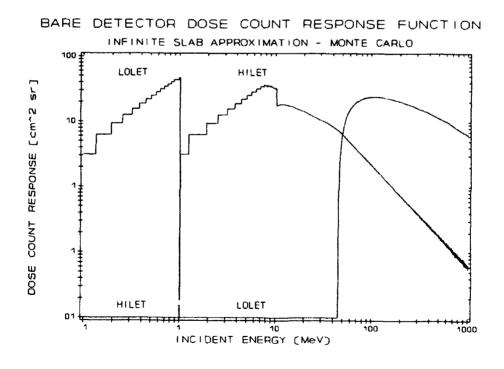


Figure 26.

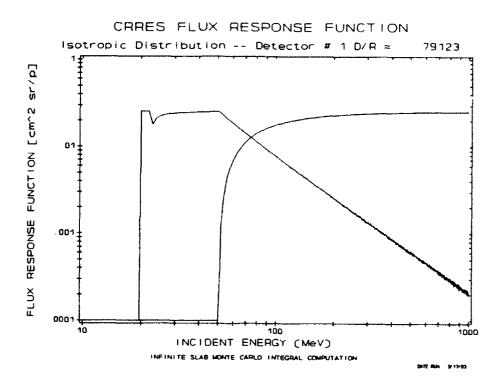


Figure 27.

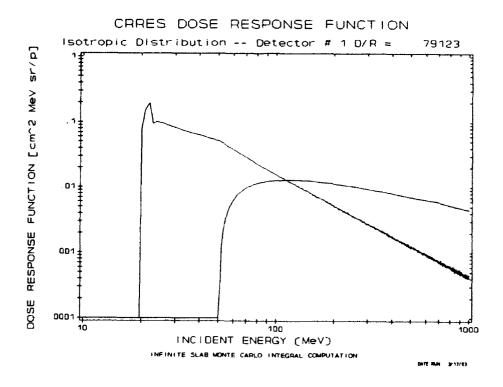


Figure 28.

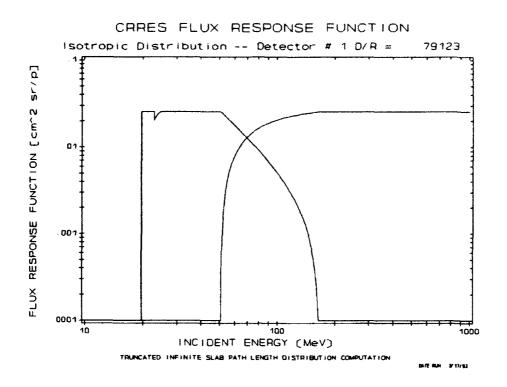


Figure 29.

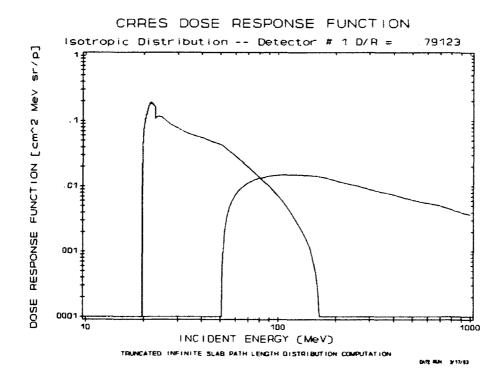


Figure 30.

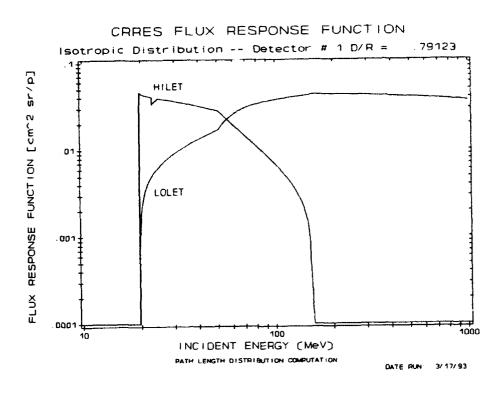


Figure 31.

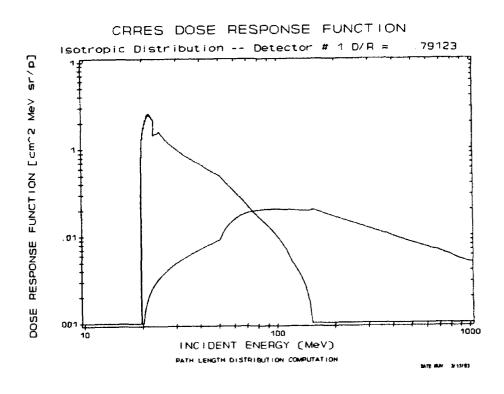


Figure 32.

7. GEOMETRIC FACTOR COMPUTATIONS

This section describes the geometric factor calculations for power law spectra using the infinite slab approximation, the truncated infinite slab path length distribution, and the path length distribution methods. Tables are provided for spectra of the form $f(E) = (E/20)^{-N}$ for values of N between 0.1 to 2.0 at 0.1 intervals and for 2.0 to 10.0 at 1.0 intervals. The dose channel geometric factors are expressed in dose counts, rather than in terms of the actual energy deposited. The dose counts take into account the pre-scaling built into the hardware (digital divide circuitry is used to reduce the frequency of register overflow). Prescaling for the flux channels is used only by CRRES detector 4, and is not taken into account in the flux geometric factor tables.

The geometric factors are obtained by integrating the product of the response function and the spectrum f(E) over the energy; the energy range used to produce the tables extends from threshold to 1000 MeV.

7.1 ISOTROPIC CASE

The "bare detector" response functions were used to compute the geometric factors for power law spectra, with agreement to about 2%, except for DMSP detector 1, where numerical problems were responsible for larger errors for values of the spectral index $N \ge 7$. The response functions values were used as a look up table, and the Janni range-energy relations for aluminum were used to compute the energy losses in the dome. The numerical problems resulted from the difficulty of accurately computing the energy integral contribution in the energy threshold region.

Tables 4 to 7 are tables of the Power Law Geometric Factors for the DMSP instrument for the analytic computation, based upon the bare detector response function, the equivalent Monte Carlo infinite slab approximation computation, the truncated infinite slab approximation computation and the Monte Carlo path length computation respectively.

Tables 8 to 10 are tables of the Power Law Geometric Factors for the CRRES dosimeter for the Monte Carlo infinite slab approximation, the truncated infinite slab path length distribution and the path length distributions respectively. A comparison of the Geometric Factors for these three cases is provided in Section 8.

Table 11 is a table for an isotropic Maxwellian energy spectrum.

7.2 MIRROR PLANE PATH LENGTH DISTRIBUTION

Tables 12 A through S are tables for the Mirror Plane Path Length Distribution for $\lambda = 0$ to 90 degrees at 5 degree intervals. Table 13 is the spin-average (the arithmetric mean of the tables in Table 12. A comparison of Table 13 with Table 10 indicates that the spin average of a Mirror Plane distribution is not isotropic.

7.3 SinN \(\alpha \) PITCH ANGLE DISTRIBUTIONS

Tables 14 A through D are tables for the $\sin^N \alpha$ pitch angle distributions for N = 999, λ = 0, 30, 60 and 90 degrees, for comparison with mirror plane Tables 12 A, G, M, and S. Agreement is excellent, except for detector 4 at λ = 0. A discussion of the differences is provided in Section 5.3.3.

Tables 15, 16, and 17 are tables for N = 4, 6 and 8 for $\lambda = 0$, 90 degrees at 15 degree intervals.

TABLE 4. DMSP Omnidirectional Geometric Factors for Power Law Spectra Infinite Slab Approximation - Analytic Computation (Isotropic)

			IDIRECTION	AL GEOMETA	IC FACTORS			
H	1	HILET 2	CHANNEL 3	4	1	LOLET 2	CHANNEL 3	4
				14 65405				154 75020
.1 .2	1.05270 .91399	18.35880 15.57647	16.55475 13.78608	14.65495 11.95127		159.87590 117.17880		
.3	.80008	13.29974	11.54010 9.70652	9.78654	4.45271	86.24319	84.83129	82.52158
,4 .5	.70573 .62692	11.42255 9.86349	8.20054	8.04460 6.63618	3.29895 2.45624	63.75331 47.34478	62.53497 46.29231	60.57444 44.62677
. 6	.56056	8.55965	6.95652	5.49229	1.83828	35.32784	34.41779	33.00173
.7 .8	.50426 .45615	7.46209 6.53249	5.92334 5.06096	4.55933 3.79539	1.38324 1.04667	26.49209 19.96820	25.70442 19.28586	24.49957 18.26002
.9	.41475	5.74058	4.33775	3.16755	.79658	15.13024	14.53865	13.66464
1.0 1.1	.37890 .34766	5.06236 4.47860	3.72861 3.21347	2.64980 2.22148	. 60985 . 46972	11.52617 8.82863	11.01286 8.38289	10.26774 7.74729
1.2	.32029	3.97383	2.77620	1.86610	.36401	6.79975	6.41242	5.86993
1.3 1.4	.29619 .27485	3.53548 3.15331	2.40376 2.08553	1.57045 1.32387	.28385 .22271	5.26614 4.10097	4.92933 3.80789	4.46607 3.41210
1.5	.25587	2.81891	1.81283	1.11774	.17583	3.21112	2.95592	2.61760
1.6 1.7	.23893 .22374	2.52531 2.26674	1.57851 1.37668	.94507 .80013	. 13967 . 11163	2.52795 2.00068	2.30560 1.80684	2.01628 1.55931
1.8	.21007	2.03836	1.20242	. 67825	.08975	1.59158	1.42249	1.21062
1.9 2.0	. 19772 . 18654	1.83610 1.65654	1.05167	. 57559 . 48899	. 07259 . 05904	1.27250 1.02232	1.12491 .89343	.94350 .73803
2.2	.16711	1.35426	.70879	.35393	.03973	.66903	.57055	.45640
2.4	.15088	1.11296	.54776	.25706	.02732	.44538	.36998	.28601
2.6 2.8	.13720 .12555	.91893 .76190	. 42487 . 33063	.18726 .13678	.01918 .01374	.30114 .20648	.24327 .16197	.18141 .11635
3.0	.11556	. 63410	.25804	.10015	.01005	. 14337	.10905	.07536
3.5 4.0	.09600 .08186	.40648 .26513	.14039	.04635 .02167	.00504 .00291	.06039 .02690	.04228 .01718	.02641 .00966
4.5	.07129	.17543	.04313	.01022	.00196	.01256	.00724	.00365
5.0	.06315	.11749	.02425	.00485	.00151	.00612	.00314	.00141
6.0 7.0	.05157 .04379	.05427 .02586	.00784 .00259	.00111	.00120 .00113	.00165 .00054	. 00063 . 00014	.00022
8.0	.03824	.01262	.00087	.00006	.00112	.00021	.00003	.00001
9.0 10.0	.03409 .03087	.00627 .00317	.00030 .00010	.00001	.00113 .00115	.00009 .00005	.00001 .00000	.00000
		******	******	*******				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
N	DHSP		SE OMNIDIR CHANNEL	ECTIONAL G	EOMETRIC F			
N	DKSP 1		SE OMNIDIR CHANNEL 3	ECTIONAL G	EOMETRIC F		2 MeV) CHANNEL 3	4
N Wltiply	1	HILET	CHANNEL			LOLET	CHANNEL	4 10 ⁻³
Miltiply	I by: 10 ⁻³	HILET 2 10 ⁻³	CHANNEL 3 10 ⁻³	4 10 ⁻³	1 10 ⁻⁵	LOLET 2 10-4	CHANNEL 3 10 ⁻³	
	1 by: 10 ⁻³ 50.27420	HILET 2 10 ⁻³ 51.48453	CHANNEL 3	4 10 ⁻³ 156.72450	1 10 ⁻⁵ 444.79490	LOLET 2 10-4 436.89840	CHANNEL 3 10 ⁻³ 174.06410	164.35820
fultiply .1 .2 .3	l by: 10 ⁻³ 50.27420 44.86987 40.38478	HILET 2 10 ⁻³ 51.48453 44.54008 38.77720	10 ⁻³ 179.12850 151.25140 128.36890	4 10 ⁻³ 156.72450 129.15150 106.85820	1 10 ⁻⁵ 444.79490 338.56430 259.15720	LOLET 2 10 ⁻⁴ 436.89840 331.58170 252.97870	CHANNEL 3 10 ⁻³ 174.06410 131.22940 99.40755	164.35820 123.53880 93.23982
fultiply .1 .2 .3 .4	1 by: 10 ⁻³ 50.27420 44.86987 40.38478 36.62726	10 ⁻³ 51.48453 44.54008 38.77720 33.95515	10 ⁻³ 179.12850 151.25140 128.36890 109.46020	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190	LOLET 2 10 ⁻⁴ 436.89840 331.58170 252.97870 194.04050	CHANNEL 3 10 ⁻³ 174.06410 131.22940 99.40755 75.66582	164.35820 123.53880 93.23982 70.66368
fultiply .1 .2 .3 .4 .5	1 by: 10 ⁻³ 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088	NILET 2 10 ⁻³ 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361	10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610	CHANNEL 3 10 ⁻³ 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414
fultiply .1 .2 .3 .4 .5 .6	1 10 ⁻³ 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063	HILET 2 10 ⁻³ 51.48453 44.54008 38.77720 33.95515 29.8855 26.43361 23.47798	10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528	LOLET 2 10 ⁻⁴ 436.89840 331.58170 252.97870 194.04050 149.6357 149.6357 149.6357 149.43452	CHAMNEL 3 10 ⁻³ 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183
fultiply .1 .2 .3 .4 .5 .6 .7	1 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076	NILET 2 10 ⁻³ 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361	10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610	CHANNEL 3 10 ⁻³ 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414
fultiply .1 .2 .3 .4 .5 .6 .7 .8	1 10 ⁻³ 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965	CHANNEL 3 10-3 179.12850 151.25140 128.36890 199.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195	LOLET 2 10 ⁻⁴ 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.83046 44.20950	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113
fultiply .1 .2 .3 .4 .5 .6 .7 .8 .9	1 10 ⁻³ 50 .27420 44 .86987 40 .38478 36 .62726 33 .45041 30 .74088 28 .41063 26 .39076 24 .62694 23 .07605 21 .70357	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467	LOLET 2 10 ⁻⁴ 436.89840 331.58170 252.97870 194.04050 149.63570 149.63570 190.43452 70.87004 55.83046 44.20950 35.18369	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.35586 26.66243 20.79028 16.28712 12.81757	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353
fultiply .1 .2 .3 .4 .5 .6 .7 .9 1.0 1.1 1.2	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819	10-3 10-3 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.2659 58.85296 46.90195 37.58467 30.28085 24.52430	LOLET 2 10 ⁴ 436.89840 331.58170 152.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675
fultiply .1 .2 .3 .4 .6 .7 .8 .9 1.0 1.1 1.2	1 10-3 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605 21.70357 20.48172 19.38792 18.40369	MILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211	179.12850 151.25140 128.36890 199.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.64621	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289	LOLET 2 10 ⁴ 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 28.13750 18.24913	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.4335 6.41179	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.98315 5.50483
**************************************	1 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605 21.70357 20.48172 19.38792 18.40369 17.51386 16.70582	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625	CHANNEL 3 10-3 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.64621 23.42148 20.61789	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053	LOLET 2 10 ⁻⁴ 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 18.24913 14.79442 12.04378	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 5.50483 4.35167 3.45106
**************************************	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47738 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 9.24625	10-3 10-3 128-36890 128-36890 109-46020 93-73647 80-58381 69-52139 60-16962 52-22696 45-45200 39-65028 34-66407 30-36462 26-64621 23-42148 20-61789 18-17487	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.2659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07990	LOLET 2 10-4 436.89840 331.58170 152.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 18.24913 14.779442 12.04378 9.84356	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 212257 3.32405	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 5.50483 4.35167 3.45106 2.74520
**************************************	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625	CHANNEL 3 10-3 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.64621 23.42148 20.61789	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053	LOLET 2 10 ⁻⁴ 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 18.24913 14.79442 12.04378	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 5.50483 4.35167 3.45106
fultiply .1 .2 .3 .4 .5 .6 .7 .7 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 6.42784	CHANNEL 3 10-3 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.64621 23.42148 20.61789 18.17487 16.04158 14.17519 12.53944	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47263 7.24497 6.20086	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07990 9.18751 7.66041 6.39633	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 18.24913 14.79442 12.04378 9.84356 8.07573 9.84356 8.07573 6.64920 5.49329	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.68950 2.18325 1.77783	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 5.50483 4.35167 3.45106 2.74520 2.19008 1.75207 1.40536
**************************************	10-3 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605 21.70357 20.48172 19.38792 18.40369 17.51386 16.70582 15.96907 15.29476 14.67543 14.10475 13.08838	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 9.24625 4.2509 7.68824 7.02541 6.42784 5.39930	CHANNEL 3 10-3 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.64621 23.42148 20.61789 18.17487 16.04158 14.17519 12.53944 9.84111	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47263 7.24497 6.20086 4.55367	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07990 9.18751 7.65041 6.39633 4.52346	LOLET 2 10-4 436.89840 331.58170 152.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 18.24913 14.79442 12.04378 9.84356 8.07573 6.64920 3.78509	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.68950 2.18325 1.77783 1.18917	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.69831 6.98675 5.50483 4.35167 2.74520 2.19008 1.75207 1.40536 9.91089
1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.6	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 7.02541 6.42784 5.39930 4.55375 3.85422	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 23.42148 20.61789 18.17487 18.17487 18.17487 18.17519 12.53944 9.84111 7.75011 6.12179	4 10-3 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47263 7.24497 6.20086 4.55367 3.35386 2.47650	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07990 9.18751 7.65041 6.39633 4.52346 3.24663 2.36354	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 45.83046 44.20950 35.18369 28.13750 22.60881 18.24950 31.4.79442 12.04378 9.84356 8.07573 6.64920 5.49329 3.78509 1.85799	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.485586 26.66243 20.79028 16.281757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.68950 2.18325 1.77783 1.18917 .80387 .54856	164.35820 123.53880 93.23982 70.66368 53.77633 41.09413 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 5.50483 4.35167 3.45106 2.74520 2.19008 1.75207 1.40536 .91089 .59575 .39279
**************************************	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 7.02541 6.42784 5.39930 4.55375 3.85422 3.27232	CHANNEL 3 10-3 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.64621 23.42148 20.61789 18.17487 16.04158 14.17519 12.53944 9.84111 7.75011 6.12179 4.84838	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.66171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47263 7.24497 6.20086 4.55367 3.35386 2.47650 1.83276	1 10 ⁻⁵ 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 9.18751 7.65041 6.39633 4.52346 3.24663 2.36354 1.74487	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 18.24913 14.79442 12.04378 9.84356 8.07573 6.64920 3.78509 2.63829 1.85799 1.32061	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.68950 2.18325 1.77783 1.18917 .80387 .80387 .54856	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 5.50483 4.35167 3.45106 2.74520 2.19008 1.75207 1.40536 .91089 .59575 .39279 .26086
**************************************	1 10-3 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605 21.70357 20.48172 19.38792 18.40369 17.51386 16.70582 15.96907 15.29476 14.67543 14.10475 13.08838 12.21068 11.44535 20.77227 10.17579	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 123.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 7.02541 6.42784 5.39930 4.55375 3.85422 3.27232 2.78596 1.88249	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 23.42148 20.61789 18.17487 16.14187 12.53944 9.84111 7.75011 6.12179 4.84838 2.17995	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.8089 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47263 7.24497 6.20086 4.55367 3.35386 2.47650 1.83276 1.35905 .64824	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07875 7.65041 6.39633 4.52463 2.36354 1.74487 1.30643 6.67668	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 16.01610 90.43452 70.87004 44.20950 35.18369 28.13750 22.60891 14.79442 12.04378 9.84357 6.64920 5.49329 3.78509 2.63829 1.85799 1.32061 94648 42476	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.18325 1.77783 1.18917 .80387 .54856 .37749 .26172	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 3.45106 2.74520 2.19008 1.75207 1.40536 91089 95975 39279 26086 17436
#ultiply .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.0 3.1 4.0	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80265 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 7.02541 6.42784 5.39930 4.55375 3.85422 3.27232 2.78596 1.88249 1.28739	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.6621 23.42148 20.61789 18.17487 16.0417519 12.53944 9.84111 7.75011 6.12179 4.84838 3.84886 2.17995 1.24733	4 10-3 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 62.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47263 7.24497 6.20086 4.55367 3.35386 2.47650 1.83276 1.35905 6.4824 3.3185	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 124.48520 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96230 11.07990 9.18751 7.65041 6.39633 4.52346 3.24663 2.36354 1.74487 1.30643 6.7668 3.8988	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 45.83046 44.20950 35.18369 28.13750 22.60881 18.24950 35.49329 3.78509 2.63829 1.85799 1.32061 .94648 .42476 .19807	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.485586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.68950 2.18325 1.77783 1.18917 .80387 .54856 .37749 .26172 .04578	164.35820 123.53880 93.23982 70.66368 53.77633 41.0941 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 5.50483 4.35167 3.45106 2.74520 2.19008 1.75207 1.40536 .91089 .59575 .39279 .26086 .17436 .06524 .02511
**************************************	1 10-3 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605 21.70357 20.48172 19.38792 18.40369 17.51386 16.70582 15.96907 15.29476 14.67543 14.10475 13.08838 12.21068 11.44535 20.77227 10.17579	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 123.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 7.02541 6.42784 5.39930 4.55375 3.85422 3.27232 2.78596 1.88249	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 23.42148 20.61789 18.17487 16.14187 12.53944 9.84111 7.75011 6.12179 4.84838 2.17995	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.8089 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47263 7.24497 6.20086 4.55367 3.35386 2.47650 1.83276 1.35905 .64824	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07875 7.65041 6.39633 4.52463 2.36354 1.74487 1.30643 6.67668	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 16.01610 90.43452 70.87004 44.20950 35.18369 28.13750 22.60891 14.79442 12.04378 9.84357 6.64920 5.49329 3.78509 2.63829 1.85799 1.32061 94648 42476	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48272 34.35586 26.66243 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.18325 1.77783 1.18917 .80387 .54856 .37749 .26172	164.35820 123.53880 93.23982 70.66368 53.77633 41.09414 31.53183 24.29280 18.79040 14.59113 11.37353 8.89831 6.98675 3.45106 2.74520 2.19008 1.75207 1.40536 91089 95975 39279 26086 17436
**************************************	1 10-3 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605 21.70357 20.48172 19.38792 18.40369 17.51386 16.70582 15.96907 15.29476 14.67543 14.10475 13.08838 12.21068 11.44535 20.77227 10.17579	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 7.02541 6.42784 6.39930 4.88542 3.27232 2.78596 1.88249 1.28739 .88890 6.1856 330511	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 23.42148 20.61789 18.17487 18.17519 12.53944 9.84111 7.75011 6.12179 4.84838 3.84838 3.17952 1.24733 .71952 41782 14314	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.8089 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.1813 8.47263 7.24497 6.20086 4.55367 3.35386 2.47650 1.83276 1.35905 64824 31185 15104 07356 01768	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07890 9.165041 6.39633 4.52346 3.24663 2.36354 1.74487 1.3063	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 16.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 14.79442 12.04378 9.84357 6.64920 5.49329 3.78509 2.63829 1.85799 1.32061 94648 42476 .19807 .09547 .01287	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.4823 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.18325 1.77783 1.18917 .80387 .54856 .37749 .26172 .10770 .04578 .01996	164 .35820 123 .53880 93 .23982 70 .66368 53 .77633 41 .09414 31 .53183 24 .29280 18 .79040 14 .59113 11 .37353 8 .89831 6 .98675 5 .50483 4 .35167 3 .45106 2 .74520 2 .19008 1 .75207 1 .40536 9 .91089 9 .95975 .39279 .26086 .17436 .00987 .00987 .00987
#ultiply .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.0 3.5 5.0 6,7 7.0	1 10-3 10-3 10-3 10-3 10-3 10-3 10-3 10-	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.682541 6.42784 5.39930 4.55375 3.85422 3.27232 2.78596 1.88249 1.28739 .88890 .61856 .305511 .15336	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 26.642148 20.61789 18.17487 16.017519 12.53944 9.84111 7.75011 6.12179 4.84838 3.84886 2.17995 1.24733 .71952 41782 14314 .04985	4 10-3 156.72450 129.15150 106.85820 88.74068 73.94553 61.80889 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.91813 8.47650 4.55367 3.35366 4.55367 3.35366 4.55367 6.20086 4.55367 3.17650 1.35905 6.4824 3.1185 1.5104 0.07356 0.07431	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07990 9.187.7 65041 6.39633 4.52346 32.4663 2.36354 1.74487 1.30643 .67668 .38988 .25398 .18772 .13832 .12626	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 116.01610 90.43452 70.87004 55.83046 44.2003 35.18369 28.13750 22.60881 18.24378 9.84356 8.07573 6.64920 5.49329 3.78509 2.63829 1.85799 1.32061 94648 .42476 .19807 .09547	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.48253 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.68950 2.18325 1.77783 1.18917 .80387 .94956 .37749 .26172 .10770 .04578 .01996 .00889 .00041	164.35820 123.53880 93.23982 70.66368 53.77633 41.0941 31.53183 24.29280 18.79040 14.59113 8.89831 6.98675 5.50483 4.35167 3.45106 2.74520 2.19008 1.75207 1.40536 91089 5.9575 3.9279 26086 1.7436 0.05524 0.02511 0.0987 0.00967
**************************************	1 10-3 50.27420 44.86987 40.38478 36.62726 33.45041 30.74088 28.41063 26.39076 24.62694 23.07605 21.70357 20.48172 19.38792 18.40369 17.51386 16.70582 15.96907 15.29476 14.67543 14.10475 13.08838 12.21068 11.44535 20.77227 10.17579	HILET 2 10-3 51.48453 44.54008 38.77720 33.95515 29.88856 26.43361 23.47798 20.93319 18.72911 16.80965 15.12966 13.65248 12.34819 11.19211 10.16382 9.24625 8.42509 7.68824 7.02541 6.42784 6.39930 4.88542 3.27232 2.78596 1.88249 1.28739 .88890 6.1856 330511	CHANNEL 3 10 ⁻³ 179.12850 151.25140 128.36890 109.46020 93.73647 80.58381 69.52139 60.16962 52.22696 45.45200 39.65028 34.66407 30.36462 23.42148 20.61789 18.17487 18.17519 12.53944 9.84111 7.75011 6.12179 4.84838 3.84838 3.17952 1.24733 .71952 41782 14314	4 10 ⁻³ 156.72450 129.15150 106.85820 88.74068 73.94553 61.8089 51.81119 43.54343 36.68171 30.96806 26.19595 22.19912 18.84307 16.01846 13.63606 11.62269 9.1813 8.47263 7.24497 6.20086 4.55367 3.35386 2.47650 1.83276 1.35905 64824 31185 15104 07356 01768	1 10-5 444.79490 338.56430 259.15720 199.51190 154.48520 120.31850 94.25528 74.26659 58.85296 46.90195 37.58467 30.28085 24.52430 19.96289 16.32952 13.42053 11.07890 9.165041 6.39633 4.52346 3.24663 2.36354 1.74487 1.3063	LOLET 2 10-4 436.89840 331.58170 252.97870 194.04050 149.63570 16.01610 90.43452 70.87004 55.83046 44.20950 35.18369 28.13750 22.60881 14.79442 12.04378 9.84357 6.64920 5.49329 3.78509 2.63829 1.85799 1.32061 94648 42476 .19807 .09547 .01287	CHAMNEL 3 10-3 174.06410 131.22940 99.40755 75.66582 57.87473 44.4823 20.79028 16.28712 12.81757 10.13189 8.04335 6.41179 5.13154 4.12257 3.32405 2.18325 1.77783 1.18917 .80387 .54856 .37749 .26172 .10770 .04578 .01996	164 .35820 123 .53880 93 .23982 70 .66368 53 .77633 41 .09414 31 .53183 24 .29280 18 .79040 14 .59113 11 .37353 8 .89831 6 .98675 5 .50483 4 .35167 3 .45106 2 .74520 2 .19008 1 .75207 1 .40536 9 .91089 9 .95975 .39279 .26086 .17436 .00987 .00987 .00987

TABLE 5. DMSP Omnidirectional Geometric Factors for Power Law Spectra Monte Carlo - Infinite Slab Approximation (Isotropic)

		FLUX ON	MIDIRECTIONA	L GEOMETRIC	FACTORS (cm²	NeV)		
			HILET CHAI	NNEL.	•		LOLET CHA	MMEL
H	1	2	3	4	1	2	3	4
.1	1.03762	18.01397	15.77966	13.44816	8.23975	160.21310	158,74940	155.97240
.2	.90152	15.29297	13.15599	10.98227	6.04979	117.44080	116.15680	113.77680
.3	. 78970	13.06550	11.02558	9.00545	4.46177	86.44908	85.32398	83.28426
.4	. 69704	11.22811	9.28461	7.41269	3.30616	63.91670	62.93136	61.18347
.5 .6	. 61961 . 55439	9.70143 8.42401	7.85321 6.66955	6.12322 5.07458	2.46205 1.84302	47.47572 35.43384	46.61332 34.67926	45.11542 33.39539
.7	. 49903	7.34817	5.68548	4.21816	1.38714	26.57866	25.91856	24.81803
.8	.45170	6.43646	4.86317	3.51599	1.04992	20.03948	19,46206	18.51855
.9	.41095	5.65941	4.17280	2,93814	. 79931	15.18934	14.68431	13.87521
1.0	. 37564	4.99353	3.59069	2.46100	.61216 .47169	11.57553	11.13375	10.43979
1.1 1.2	. 34487 . 31788	4.42009 3.92396	3.09788 2.67911	2.06576 1.73741	.36570	8.87011 6.83479	8.48361 6.49661	7.88827 5.98573
1.3	.29410	3.49288	2.32204	1.46390	.28531	5.29589	4.99992	4.56142
1.4	.27304	3.11685	2.01661	1.23550	. 22398	4.12635	3.86724	3.49078
1.5	.25431	2.78764	1.75461	1.04434	. 17693	3.23284	3.00595	2.68265
1.6 1.7	.23757 .22255	2.49845 2.24362	1.52925 1.33493	. 88400 . 74925	. 14064 . 11247	2.54661 2.01676	2.34787	2.07016
1.8	.20903	2.01844	1.16700	. 63581	.09049	1.60547	1.84263 1.45285	1.60401 1.24777
1.9	. 19681	1.81890	1.02158	.54015	.07324	1.28453	1.15070	.97441
2.0	. 18574	1.64167	. 89539	.45936	.05962	1.03277	.91539	.76379
2.2	. 16649	1.34312	. 69021	.33316	.04018	. 67695	. 58653	.47435
2.4 2.6	. 15040 . 13682	1.10457	.53423 .41498	.24245 .17696	.02767	.45142 .30577	. 38166	.29856
2.8	. 12525	.91258 .75708	.32338	. 17090	.01946 .01397	.21005	. 25185 . 16829	. 19023 . 12256
3.0	. 11532	.63042	.25272	.09498	.01023	.14613	.11373	.07975
3.5	. 09585	.40460	. 13791	.04414	.00514	.06185	. 04450	.02827
4.0	.08177	.26415	.07623	.02072	.00298	.02770	.01826	.01046
4.5 5.0	.07123 .06311	. 17491 . 11721	.04257 .02399	.00981 .00467	.00200 .00154	.01300 .00637	.00776 .00340	.00399 .00156
6.0	.05154	.05419	.00778	.00108	.00134	.00173	.00069	.00025
7.0	.04376	.02583	.00258	.00025	.00114	.00056	.00015	.00004
8.0	.03821	.01261	.00087	.00006	.00113	.00022	.00004	.00001
9.0	.03406	.00627	.00030	.00001	.00114	.00010	.00001	.00000
10.0	. 03084	.00317	.00010	.00000	.00116	.00005	.00000	.00000
		DOSE ON	MIDIRECTIONA	L GEOMETRIC	FACTORS (cm²	HeV)		
			HILET CHAP	KNEL			LOLET CHA	MEL
N	1	DOSE ON			FACTORS (cm²	HeV)	LOLET CHAI	MNEL 4
N Multiply by:	•	2	HILET CHAI 3	INEL 4	1	2	3	4
	•		HILET CHAP	KNEL				NNEL 4 10 ⁻³
Multiply by:	: 10 ⁻³ 49.82224	2 10 ⁻³ 51.71883	HILET CHAI 3 10 ⁻³ 171.73790	10 ⁻³	1 10 ⁻⁵ 443.20230	2 10 ⁻⁴ 438.45940	3 10 ⁻³ 171.43760	4 10 ⁻³ 159.95860
Multiply by: .1 .2	49.82224 44.47712	2 10 ⁻³ 51.71883 44.71170	HILET CHAN 3 10 ⁻³ 171.73790 145.10760	10 ⁻³ 145.90970 120.31300	1 10 ⁻⁵ 443,20230 337,39770	2 10 ⁻⁴ 438.45940 332.59340	3 10 ⁻³ 171.43760 129.36750	10 ⁻³ 159.95860 120.40190
Multiply by: .1 .2 .3	49.82224 44.47712 40.04076	2 10 ⁻³ 51.71883 44.71170 38.90010	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660	10 ⁻³ 145.90970 120.31300 99.60563	1 10 ⁻⁵ 443,20230 337,39770 258,30280	2 10 ⁻⁴ 438.45940 332.59340 253.61060	3 10 ⁻³ 171.43760 129.36750 98.09285	4 10 ⁻³ 159.95860 120.40190 91.00744
Multiply by: .1 .2 .3 .4	49.82224 44.47712	2 10 ⁻³ 51.71883 44.71170	HILET CHAN 3 10 ⁻³ 171.73790 145.10760	10 ⁻³ 145.90970 120.31300	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780	2 10 ⁻⁴ 438.45940 332.59340	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281	10 ⁻³ 159.95860 120.40190
Multiply by: .1 .2 .3 .4 .5 .6	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583	10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199	10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910	2 10 ⁻⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567
Multiply by: .1 .2 .3 .4 .5 .6	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223	10-3 171.73790 145.10760 123.23660 105.15300 90.10616 90.51199 66.91269	10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09290 90.43310	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068
Multiply by: .1 .2 .3 .4 .5 .6 .7	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097
Multiply by: .1 .2 .3 .4 .5 .6	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859	10-3 10-3 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735	10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988 55.75113	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892	145.90970 120.3300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19439 24.44828 22.91267 21.55346 20.34316 19.25955	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511	10-3 10-3 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19437 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667	10-3 10-3 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623	10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19439 24.44828 22.91267 21.55346 20.34316 19.25955	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 19.25955 18.28430 17.40245 16.60148 15.87108	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 9.20831 8.38676	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606	10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19437 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108	2 10-3 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992	10-3 10-3 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 22.54157 19.94077 17.58606 15.52879	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19439 24.44828 22.91267 21.55346 20.34316 19.25955 18.28830 17.40245 16.60148 15.87108 15.20247 14.58830	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58666 15.52879 13.72796	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.9550 6.80911	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.79901 2.20262	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.80247 14.58830 14.02228	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887	145.90970 120.3300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.88911 5.83026	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.2528 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19437 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 13.01398 12.14310	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58666 15.52879 13.72796	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.9550 6.80911	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.79901 2.20262	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19437 24.44828 22.91267 21.55346 20.34516 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 11.38348	2 10 ⁻³ 51.71883 44.7170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.880911 5.83026 4.28499 3.15844 2.33394	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 7.19875 7.66310 6.40976 4.53707 3.25936 2.37495	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 81763	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 14.3248 10.71535	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.88911 5.83026 4.28499 3.15844 2.33394 1.72849	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 199.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164 1.30008	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 81763 .55977	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.2596 14.41522 11.2596 14.44152 11.2596 14.4147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 .26701
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 11.38348 10.71535 10.12319	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364 2.75971	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100 3.74212	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.99905 9.31335 7.95950 6.80911 5.83026 4.28499 3.15844 2.33394 1.72849 1.28261	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481 1.31491	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164 1.30008 93053	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79550 1.20557 .81763 .55977 .38647 .26882	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 2.6701 1.7915
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 14.3248 10.71535	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.88911 5.83026 4.28499 3.15844 2.33394 1.72849	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 199.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164 1.30008	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 81763 .55977	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.2596 14.41522 11.2596 14.44152 11.2596 14.4147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 .26701
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 24.44828 22.91267 21.55346 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 11.38348 10.71535 10.12319 8.90074 7.94863 7.18544	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364 2.75971 1.86191 1.27158 87690	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100 3.74212 2.12245 1.21591 .70214	MEL 10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.88911 5.83026 4.28499 3.15844 2.33394 1.72849 1.28261 61277 295521 14317	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 199.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481 1.31491 68205 39305 .25572	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164 1.30008 93053 4.1631 1.9359 93053	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 .81763 .55977 .38647 .26882 .11153 .04779 .02100	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25828 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 .26701 .17915 .06766 .06766 .06762
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 11.38348 10.71535 10.12319 8.90074 7.94863 7.18544 6.55928	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364 2.75971 1.86191 1.27158 8.7690 .60954	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100 3.74212 2.12245 1.21591 .70214 .40811	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.80911 5.83026 4.28499 3.15844 2.33394 1.72849 1.28261 61277 .29521 14317	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481 1.31491 .68205 .39305 .25572 .18855	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 116.09200 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.8890 5.43931 3.74224 2.60458 1.83164 1.30008 93053 41631 .19359 93099 94617	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 .81763 .55977 .38647 .26882 .11153 .04779 .02100	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 2.66701 1.7915 .06766 .02627 .01042
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0 6.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19432 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 11.38348 10.71535 10.12319 8.90074 7.94863 7.18544 6.55928 5.59041	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364 2.75971 11.866191 11.27158 87690 60954	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100 3.74212 2.12245 1.21591 70214 40811 14003	HEL 10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31337 7.95950 6.80911 5.83026 4.28499 3.15844 2.33394 1.72849 1.28261 61277 .29521 14317 .06981 .01681	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481 1.31491 68205 .39305 .25572 .18855 .13826	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164 1.30008 93053 41631 1.9359 .09309 94617	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 881763 .55977 .38647 .26882 .11153 .04779 .02100 .00942 .00199	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 92157 60511 40052 2.67001 1.7915 06766 02627 01042 00421
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19437 24.44828 22.91267 21.55346 20.34516 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 11.38348 10.71535 10.12319 8.90074 7.94863 7.18544 6.55928 5.59041 4.87264	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364 2.75971 1.86191 1.27158 .87690 .60954 .30010 .15062	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100 3.74212 2.12245 1.21591 .70214 .40811	HEL 10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.80911 5.83026 4.28499 3.15844 2.33394 1.72849 1.28261 61277 29521 14317 .06981 01681 .00410	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481 1.31491 68205 .39305 .25572 .18855 .13826 .12586	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164 1.30008 93053 4.1631 1.9359 .09309 .04617 .00389	3 10-3 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 8.1763 8.55977 .38647 .26882 .11153 .04779 .02100 .00942 .00199 .00045	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 2.66701 1.7915 .06766 .02627 .01042
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0 6.0 7.0 8.0 9.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 14.02228 13.01398 12.14310 11.38348 10.71535 10.12319 8.90074 7.94863 7.18544 6.55928 5.59041 4.87264 4.31708 3.87282	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364 2.75971 1.86191 1.27158 8.7690 6.60954 30010 1.5062 0.7669 0.03949	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100 3.74212 2.12245 1.21591 .70214 .40811 .14003 .04882 .01723 .00614	145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.80911 5.83026 4.28499 3.15844 2.33394 1.72849 1.28261 61277 2.9521 14317 06981 00101 000025	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481 1.31491 .68205 .39305 .25572 .18855 .13826 .12586 .12362 .12362	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 116.09200 90.43310 70.81988 55.75113 44.11436 35.08167 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58990 5.43931 3.74224 2.60458 1.83164 1.30008 93053 .41631 .19359 .09309 .04617 .01249 .00389 .00142 .00061	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 .81763 .55977 .38647 .26882 .11153 .04779 .02100 .00942 .00199 .00045 .00010	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 2.67701 .17915 .06766 .02627 .01042 .00421 .00071 .00013 .00002
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0 6.0 7.0 8.0	49.82224 44.47712 40.04076 36.32376 33.18077 30.49971 28.19360 26.19433 24.44828 22.91267 21.55346 20.34316 19.25955 18.28430 17.40245 16.60148 15.87108 15.20247 14.58830 17.40245 13.01398 12.14310 11.38348 10.71535 10.12319 8.90074 7.94863 7.94863 7.94863 5.59041 4.87264 4.87264 4.87264	2 10 ⁻³ 51.71883 44.71170 38.90010 34.04008 29.94387 26.46583 23.49223 20.93342 18.71859 16.79088 15.10462 13.62281 12.31511 11.15667 10.12679 9.20831 8.38676 7.64992 6.98743 6.39043 5.36360 4.52021 3.82307 3.24364 2.75971 1.8619	NILET CHAN 3 10 ⁻³ 171.73790 145.10760 123.23660 105.15300 90.10616 77.51199 66.91269 57.94693 50.32735 43.82387 38.25118 33.45892 29.32428 25.74623 22.64157 19.94077 17.58606 15.52879 13.72796 12.14887 9.54216 7.52027 5.94441 4.71100 3.74212 2.12245 1.21591 .70214 .40811 .14003 .04882 .01723	MEL 10 ⁻³ 145.90970 120.31300 99.60563 82.76735 69.00887 57.71599 48.40790 40.70594 34.30997 28.98122 24.52803 20.79626 17.66103 15.02087 12.79289 10.90905 9.31335 7.95950 6.88911 5.83026 4.28499 3.15844 2.33394 1.72849 1.28261 61277 .29521 .14317 .06981 .01681 .00410	1 10 ⁻⁵ 443.20230 337.39770 258.30280 198.88780 154.03070 119.98910 94.01839 74.09808 58.73508 46.82137 37.53157 30.24790 24.50607 19.95526 16.32944 13.42580 11.08877 9.19875 7.66310 6.40976 4.53707 3.25936 2.37495 1.75481 1.31491 68205 39305 25572 1.8855 1.3865 1.12362	2 10 ⁴ 438.45940 332.59340 253.61060 194.41150 149.82990 90.43310 70.81988 55.75113 44.11436 28.03457 22.50876 18.15423 14.70601 11.96242 9.76944 8.00870 6.58890 5.43931 3.74224 2.60458 1.83164 1.30008 93053 4.1631 1.9359 93053 4.1631 1.9359 93099 94617 0.0249 9.0389 9.00142	3 10 ⁻³ 171.43760 129.36750 98.09285 74.74281 57.23146 44.03926 34.05466 26.46219 20.66134 16.20817 12.77338 10.11155 8.03906 6.41805 5.14442 4.13937 3.34285 2.70901 2.20262 1.79650 1.20557 .81763 .55977 .38647 .26882 .11153 .04779 .02100 .00942 .00199	10 ⁻³ 159.95860 120.40190 91.00744 69.07925 52.65589 40.30567 30.98068 23.91097 18.52906 14.41522 11.25788 8.82494 6.94274 5.48099 4.34147 3.44987 2.74976 2.19813 1.76204 1.41618 .92157 .60511 .40052 .26701 .17915 .06766 .02627 .01042 .00421 .00071 .00071

TABLE 6. DMSP Omnidirectional Geometric Factors for Power Law Spectra Truncated Infinite Slab Path Length Distribution (Isotropic)

		FLUX 000	IDIRECTIONAL		FACTORS (cm²	HeV)		
×	1	2	HILET CHAI	INEL 4	1	2	LOLET CHAN	MEL
		2	•	•	•	4	•	•
.1	. 89 560	17.91869	15.78664	13.46344	8.39569	160.39160	158.81570	156.02360
.z	. 79750	15.23049	13.17507	11.00627	6.16612	117.56950	116.19560	113.80470
.3 .4	.71352 .64131	13.02560 11.20364	11.05099 9.31266	9.03339 7.44151	4.54893 3.37175	86.54209 63.98400	85.34401 62.93955	83.29688 61.18643
.5	.57894	9.68737	7.88159	6.15116	2.51163	47.52458	46.61379	45.11259
.6	. 52482	8.41695	6.69687	5.10063	1.88068	35.46928	34.67510	33.38919
.7	.47767	7.34570	5.71095	4.24185	1.41588	26.60439	25.91165	24.81011
.8	.43641	6.43696	4.88642	3.53712	1.07196	20.05817	19.45383	18.509 9 3
.9	.40017	5.66173	4.19374	2.95676	.81630	15.20295	14.67558	13.86663
1.0 1.1	. 36821 . 33992	4. 99694 4.42407	3.60933 3.11433	2.47725 2.07984	. 62532 . 48194	11.58540 8.87728	11.12506 8.47529	10.43158 7.88065
1.2	.31479	3.92816	2.69355	1.74953	.37373	6.83998	6.48884	5.97882
1.3	.29238	3.49709	2.33465	1.47429	.29162	5.29964	4.99281	4.55523
1.4	.27233	3.12092	2.02760	1.24438	.22897	4.12903	3.86081	3.48530
1.5	.25434	2.79150	1.76414	1.05190	. 18090	3.23475	3.00019	2.67786
1.5	.23814	2.50205	1.53751	.89043	. 14381	2.54795	2.34275	2.06598
1.7 1.8	.22352 .21028	2.24695 2.02148	1.34209 1.17319	.75471 .64044	. 11502 . 09255	2.01769 1.60611	1.83809 1.44885	1.60039 1.24464
1.9	.19826	1.82168	1.02692	. 54408	.07491	1.28495	1.14720	.97172
2.0	. 18732	1.64419	.90001	.46268	.06098	1.03303	.91232	.76148
2.2	. 16821	1.34517	. 69366	. 33554	.04109	. 67702	. 58419	. 47266
2.4	. 15214	1.10623	.53679	.24415	. 02830	.45140	. 37989	.29733
2.6	. 13852	.91393	.41690	.17817	.01989	.30571	. 25051	. 18934
2.8	. 12687 . 11685	.75817 .63131	.32481 .25379	.13036 .09560	.01427 .01044	.20997 .14605	.16728 .11297	. 12191 . 07928
3.0 3.5	.09715	.40512	.13843	.04441	.00524	.06180	.04413	.02806
4.0	.08285	.26447	.07648	.02084	.00302	.02766	.01807	.01036
4.5	.07213	.17511	.04270	.00986	.00202	.01298	.00767	.00395
5.0	.06386	.11733	.02405	.00469	.00155	.00635	.00335	.00155
6.0	.05207	.05424	.00780	.00108	.00121	.00173	.00068	.00025
7.0	.04416	. 02585	. 00259	.00025	.00114	,00056	.00015	.00004
8.0	.03851	.01262	.00087	.00006	.00113	.00022	.00003	.00001
9.0 10.0	.03428 .03101	.00628 .00317	.00030 .00010	.00001	.00114 .00116	.00010	.00001 .00000	.00000
10.0	.03101	.00317	.00010	.00000	.00110	.00003	.00000	.00000
		2005 044						
		DO2F ON	MIDIRECTIONA	L GEOMETRIC	FACTORS (cm ²	MeV)		
	_		HILET CHANN	EL	•		LOLET CHANNEL	
W	1	DOSE ON			FACTORS (cm ²	HeV) 2	LOLET CHAMMEN	4
		Z	HILET CHANN 3	EL 4	1	2	3	4
N Multiply by:	_		HILET CHANN	EL	•			
		Z	HILET CHANN 3	EL 4	1	2	3	4
Multiply by: .1 .2	10 ⁻³ 40.84674 37.56828	2 10 ⁻³ 50.64671 43.95493	HILET CHANN 3 10 ⁻³ 168.98930 143.31520	10 ⁻³ 143.18420 118.50980	1 10 ⁻³ 447.26490 340.95340	2 10 ⁻⁴ 439.28050 333.19950	3 10 ⁻³ 172.20610 129.91840	4 10 ⁻³ 160.83750 121.03440
Multiply by: .1 .2 .3	10 ⁻³ 40.84674 37.56828 34.69897	2 10 ⁻³ 50.64671 43.95493 38.36759	10 ⁻³ 168.98930 143.31520 122.10280	EL 4 10 ⁻³ 143.18420 118.50980 98.43714	1 10 ⁻³ 447.26490 340.95340 261.36490	2 10 ⁻⁴ 439.28050 333.19950 254.05910	3 10 ⁻³ 172.20610 129.91840 98.48689	4 10 ⁻³ 160.83750 121.03440 91.46233
Multiply by: .1 .2 .3 .4	10 ⁻³ 40.84674 37.56828 34.69897 32.17590	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704	10 ⁻³ 168.98930 143.31520 122.10280 104.46930	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289	1 10 ⁻³ 447.26490 340.95340 261.36490 201.49330	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.74430	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612
Multiply by: .1 .2 .3 .4 .5	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419	10 ⁻³ 168.98930 143.31520 122.10280 104.46930 89.72697	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830	1 10 ⁻³ 447.26490 340.95340 261.36490 201.49330 156.22900	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.74430 150.07720	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040
Multiply by: .1 .2 .3 .4 .5	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051	2 10 ⁻³ 50.64671 43.95493 38.36759 33.676704 29.68419 26.28666	HILET CHANN 3 10 ⁻³ 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624	10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255	1 10 ⁻³ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040 40 .47350
Multiply by: .1 .2 .3 .4 .5 .6	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419	10 ⁻³ 168.98930 143.31520 122.10280 104.46930 89.72697	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830	1 10 ⁻³ 447.26490 340.95340 261.36490 201.49330 156.22900	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.74430 150.07720	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545	HILET CHANN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073	143, 18420 118, 50980 98, 43714 82, 03289 68, 56830 57, 47255 48, 29445 40, 67636 34, 33276	1 10 ⁻⁵ 447.26490 340.95340 251.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417	2 10 ⁻³ 50.64671 43.95493 38.36759 23.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773	HILET CHANN 3 10 ⁻³ 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.880081 47.70633	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040 40 .47350 31 .10041 23 .99597 18 .58902 14 .45716
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061	2 10 ⁻³ 50. 64671 43. 95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542	HILET CHANN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619	2 10 ⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 90.57059 70.92248 55.82777 44.17167 35.12455	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.48716 11.28691
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323	HILET CHANN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785	2 10-4 439.28050 233.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 18.78988	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212	HILET CHANN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003	1 10 ⁻⁵ 447.26490 340.95340 251.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618	4 10 ⁻³ 160.83750 121.03440 91.46231 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.955°2
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212 11.15807	HILET CHANN 3 10 ⁻³ 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.7430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040 40 .47350 31 .10041 23 .99597 18 .58902 14 .45716 11 .28691 8 .84470 6 .95592 5 .48949
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 18.78988	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212 11.15807 10.13108 9.21438	10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94623 33.59933 29.46233 25.87817 22.76508 20.05485	EL 4 10 ⁻³ 143, 18420 118, 50980 98, 43714 82, 03289 68, 56830 57, 47255 48, 29445 40, 67636 34, 33276 29, 03491 24, 59844 20, 87395 17, 74003	1 10 ⁻⁵ 447.26490 340.95340 251.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277	2 10 ⁻⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.955°2 5.48949 4.34668 3.45279
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 10.74355 18.78988 17.91867 17.12035 16.38670 15.71072	2 10 ⁻³ 50. 64671 43. 95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386	HILET CHANN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081	4 10 ⁻³ 160.83750 121.03440 91.46231 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.955°2 5.48949 4.34668 3.45279 2.75112
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 16.38670 15.71072 15.08617	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.65345 16.75773 15.08542 13.61323 12.31212 11.15807 10.13108 9.21438 8.39386 7.65751	HILET CHANN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87305 17.7403 15.09741 12.86483 10.97520 9.37328 8.01320	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.3326 9.40334	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06358 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040 40 .47350 31 .10041 23 .99592 14 .45716 11 .28691 8 .84470 6 .95592 5 .48949 4 .34668 3 .45279 2 .75112 2 .19844
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 23.21930 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 16.38670 15.71072 15.08617 14.50778	2 10 ⁻³ 50. 64671 43. 95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386 7. 65751 6. 99518	168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.0327 24.59844 20.87395 17.74003 15.097520 9.37328 8.01320 6.85681	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460	2 10 ⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.1717 35.12455 28.06658 22.53263 14.71919 11.97214 9.77656 8.01384 6.59257	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040 40 .47350 31 .10041 23 .99597 18 .58902 14 .45716 11 .28691 8 .84470 6 .95502 5 .48949 4 .34668 3 .45279 2 .75112 2 .19844 1 .76166
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.91867 15.71072 15.08617 14.50778 13.97082	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212 11.15807 10.13108 9.21438 8.39386 7.65751 6.99518 6.39811	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94623 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543	EL 4 10 ³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.855681 5.87235	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040 40 .47350 31 .10041 23 .99597 18 .58902 14 .45716 11 .28691 8 .84470 6 .955°2 5 .48949 4 .34668 3 .45279 2 .75112 2 .19844 1 .76166 1 .41538
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 16.38670 15.08617 14.50778 13.97082 13.00546	2 10 ⁻³ 50. 64671 43. 95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386 7. 65751 6. 99518 6. 39811 5. 37069	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.85681 5.87235 4.31729	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251	4 10 ⁻³ 160.83750 121.03440 91.46031 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.955°2 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 .92039
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.91867 15.71072 15.08617 14.50778 13.97082	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212 11.15807 10.13108 9.21438 8.39386 7.65751 6.99518 6.39811	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 5.98264	EL 4 10 ³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.855681 5.87235	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333	4 10 ⁻³ 160 .83750 121 .03440 91 .46233 69 .40612 52 .89040 40 .47350 31 .10041 23 .99597 18 .58902 14 .45716 11 .28691 8 .84470 6 .955°2 5 .48949 4 .34668 3 .45279 2 .75112 2 .19844 1 .76166 1 .41538
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.1072 15.08617 14.50778 13.97082 13.00546 12.16286 11.42178 10.76546	2 10 ⁻³ 50.64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212 11.15807 10.13108 9.21438 8.39386 7.65751 6.39811 5.37069 4.52651 3.82851 3.24827	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94623 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 5.98264	EL 4 10 ³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.855681 5.87235 4.31729 3.18290 2.35230 1.74221	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 1.79312	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.60493 1.83158 1.29982	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 .81492 .55749 .38460	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.955°2 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 .92039 .60391 .39945 .26612
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 16.38670 17.12035 16.38670 15.71072 15.08617 14.50778 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178	2 10 ⁻³ 50. 64671 43.95493 38.36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386 7. 65751 6. 99518 6. 39811 5. 37069 4. 52651 3. 82851 3. 24827 2. 76365	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 4.74110 3.76579	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.85681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 1.79312 1.79312	2 10-4 439. 28050 333. 19950 254. 05910 194. 74430 150. 07720 116. 27630 90. 57059 70. 92248 55. 82777 44. 17167 35. 12455 28. 06658 22. 53263 18. 17203 14. 71919 11. 97214 9.77656 8. 01384 6. 59257 5. 44187 3. 74337 2. 60493 1. 83158 1. 29982 93019	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 .81492 .55749 38460 .26732	4 10 ⁻³ 160.83750 121.03440 91.46231 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.955°2 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 92039 .60391 .39945 .26612 .17843
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.4 2.6 2.8 3.0 3.5	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 16.38670 17.12035 16.38670 15.71072 15.08617 14.50778 13.97082 13.00546 12.16286 11.42178 10.76849 8.96421	2 10 ⁻³ 50. 64671 43.95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386 7. 65751 6. 39811 5. 37069 4. 52651 3. 82851 3. 24827 2. 76365 1. 86448	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 17.69033 12.22543 9.60332 7.56874 5.98264 4.74110 3.76579 2.13545	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.85681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282 6.6761	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 1.79312 1.79312 1.29231	2 10 ⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.60493 1.83158 1.29982 93019 41599	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 81.492 .55749 .38460 .26732 .11070	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.84470 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 .92039 .60391 .39945 .26612 .17843 .06727
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 23.21990 23.21930 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 16.38670 15.71072 15.08617 14.50778 13.97082 13.00546 12.16286 11.42178 10.76546 10.18049 8.96421 8.00990	2 10 ⁻³ 50. 64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212 11.15807 10.13108 9.21438 8.39386 7.65751 6.99518 6.39811 5.37069 4.52651 3.24827 2.76365 1.86448 1.27326	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 5.98264 4.74110 3.76579 2.13545 1.22309	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 12.86483 10.97520 9.37328 8.01329 6.65681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282 6.61761 29751	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 1.79312 1.34293 69521 1.39944	2 10 ⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.60493 1.83158 1.29982 .93019 9.41599 1.9337	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 81492 55749 38460 26732 11070	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99590 14.45716 11.28691 8.84470 6.95502 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 92039 .60391 .39945 .26612 .17843 .06727 .02608
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 16.38670 15.71072 15.060778 13.97082 13.00546 12.16286 11.42178 10.76546 10.18049 8.96421 8.00990 7.24145	2 10 ⁻³ 50. 64671 43.95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386 7. 65751 6. 39811 5. 37069 4. 52651 3. 82851 3. 24827 2. 76365 1. 86448 1. 27326 . 87801	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 5.98264 4.74110 3.76579 2.13545 1.22309 .70614	EL 4 10 ³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.855681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282 6.1761 2.9751	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 11.79312 1.34293 .69521 39944 .25891	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.60493 1.83158 1.29982 93019 4.1599 19337	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 81492 95749 38460 26732 11070	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.955°2 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 .92039 .60391 .39945 .26612 .17843 .06727 .02608 .01033
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 16.38670 15.71072 15.08617 14.50778 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286 11.42178 13.00546 12.16286	2 10 ⁻³ 50. 64671 43. 95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9.21438 8. 39386 7. 65751 6. 39518 6. 39811 5. 37069 4. 52651 3. 82851 3. 24827 2. 76365 1. 86448 1. 27326 8. 7801 6. 61028	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 4.74110 3.76579 2.13545 1.22309 .70614 .41035	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.85681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282 6.61761 29751 14426	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 1.79312 1.34293 .69521 .39944 .25891 .19018	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.60493 1.83158 1.29982 93019 .41599 .93019 .41599 .93295 .04609	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 81492 55749 38460 26732 11070 04734	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99590 14.45716 11.28691 8.84470 6.95502 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 92039 .60391 .39945 .26612 .17843 .06727 .02608
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 16.38670 15.71072 15.060778 13.97082 13.00546 12.16286 11.42178 10.76546 10.18049 8.96421 8.00990 7.24145	2 10 ⁻³ 50. 64671 43.95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386 7. 65751 6. 39811 5. 37069 4. 52651 3. 82851 3. 24827 2. 76365 1. 86448 1. 27326 . 87801	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 5.98264 4.74110 3.76579 2.13545 1.22309 .70614	EL 4 10 ³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.855681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282 6.1761 2.9751	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 11.79312 1.34293 .69521 39944 .25891	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.60493 1.83158 1.29982 93019 4.1599 19337	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 81492 95749 38460 26732 11070	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.95592 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 .92039 60391 .39945 .26612 .17843 .06727 .02608 .01033 .00416 .00070 .00012
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0 6.0 7.0 8.0	10-3 40.84674 37.56828 34.69897 32.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 18.78988 17.91867 17.12035 15.71072 15.08617 14.50778 13.00546 12.16286 11.42178 10.18049 8.96421 8.00990 7.24145 6.60913 5.62864 4.90152 4.33888	2 10 ⁻³ 50. 64671 43.95493 38. 36759 33. 66704 29. 68419 26. 28666 23. 37012 20. 85182 18. 66545 16. 75773 15. 08542 13. 61323 12. 31212 11. 15807 10. 13108 9. 21438 8. 39386 7. 65751 6. 39811 5. 37069 4. 52651 3. 82851 3. 24827 2. 76365 1. 86448 1. 27326 87801 61028 30043 15077 07676	168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 5.98264 4.74110 3.76579 2.13545 1.22309 .70614 .41035 .14075 .04906 .01731	EL 4 10 ³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 24.59844 20.87395 17.74003 15.09741 12.86483 10.97520 9.37328 8.01320 6.855681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282 6.1761 29751 14426 6.07033 .01693 .00413	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 11.79312 1.34293 .69521 1.39944 .25891 .19018 .13870 .12598 .12366	2 10-4 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 28.06658 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.660493 1.83158 1.29982 93019 4.1599 19337 .09295 .04609 .01246 .00388 .00142	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 81492 9.55749 3.8460 2.26732 111070 0.4734 0.0010	4 10 ⁻³ 160.83750 121.03440 91.4623 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 18.84470 6.95592 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 .92039 .60391 .9945 .26612 .17843 .06727 .02608 .01033 .00416 .00070 .00012 .00002
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 6.0 7.0	10 ⁻³ 40.84674 37.56828 34.69897 32.17590 29.94748 27.97051 26.20933 24.63400 23.21930 21.94417 20.79061 19.74355 16.78988 17.12035 16.38670 15.71072 15.08617 14.50778 13.97082 13.00546 12.16286 11.42178 10.76546 10.18049 8.96421 8.00990 7.24145 6.60913 5.62864 4.90152	2 10 ⁻³ 50. 64671 43.95493 38.36759 33.66704 29.68419 26.28666 23.37012 20.85182 18.66545 16.75773 15.08542 13.61323 12.31212 11.15807 10.13108 9.21438 8.39386 7.65751 6.99518 6.39811 5.37069 4.52651 3.24827 2.76365 1.86448 1.27326 .87801 .61028 .30043 .15077	HILET CHAMN 3 10-3 168.98930 143.31520 122.10280 104.46930 89.72697 77.33624 66.86999 57.98894 50.42073 43.94625 38.38753 33.59933 29.46233 25.87817 22.76508 20.05485 17.69033 15.62335 13.81323 12.22543 9.60332 7.56874 5.98264 4.74110 3.76579 2.13545 1.22309 .70614 .41035 .14075 .04906	EL 4 10 ⁻³ 143.18420 118.50980 98.43714 82.03289 68.56830 57.47255 48.29445 40.67636 34.33276 29.03491 12.86483 10.97520 9.37328 8.01329 6.65681 5.87235 4.31729 3.18290 2.35230 1.74221 1.29282 6.1761 29751 14426 .07033 .01693	1 10 ⁻⁵ 447.26490 340.95340 261.36490 201.49330 156.22900 121.83280 95.55829 75.38031 59.80081 47.70633 38.26619 30.85785 25.01277 20.37670 16.68041 13.71847 11.33326 9.40334 7.83460 6.55386 4.63935 3.33254 2.42771 1.79312 1.34293 69521 39944 25891 1.99018 1.3870 1.2598	2 10 ⁴ 439.28050 333.19950 254.05910 194.74430 150.07720 116.27630 90.57059 70.92248 55.82777 44.17167 35.12455 22.53263 18.17203 14.71919 11.97214 9.77656 8.01384 6.59257 5.44187 3.74337 2.60493 1.83158 1.29982 93019 93119 41599 19337 .09295 .04609 01246 .00388	3 10 ⁻³ 172.20610 129.91840 98.48689 75.02384 57.43124 44.18050 34.15367 26.53092 20.70831 16.23961 12.79378 10.12412 8.04618 6.42136 5.14518 4.13841 3.34081 2.70633 2.19958 1.79333 1.20251 81492 55749 38460 26732 11070 04734 02077	4 10 ⁻³ 160.83750 121.03440 91.46233 69.40612 52.89040 40.47350 31.10041 23.99597 18.58902 14.45716 11.28691 8.84470 6.95592 5.48949 4.34668 3.45279 2.75112 2.19844 1.76166 1.41538 .92039 60391 .39945 .26612 .17843 .06727 .02608 .01033 .00416 .00070 .00012

TABLE 7. DMSP Proton Omnidirectional Geometric Factors for Power Law Spectra Isotropic Path Length Distribution Calculation

			MIDIRECTIONA	L GEOMETRIC	FACTORS (cm²			
			ET CHANNEL				ET CHANNEL	
N	i	2	3	4	1	2	3	•
.1	1.01794	18.28648	16.02362	13.60469	10.43353	169.56190	167.48319	164.34670
.2	.90359	15.53719	13.36426	11.11608	7.70249	124.45670	122.68420	119.99640
.3	.80651	13.28491	11.20417	9.11992	5.71598	91.74747	90.22919	87.92428
.4 .5	.72365 .65255	11.42574 9.87983	9.43834 7.98607	7.51068 6.20716	4.26546 3.20193	67.94469 50.55928	66.63884 49.43214	64.66117 47.73444
.6	.59124	8.58543	6.78477	5.14653	2.41870	37.81155	36.83556	35.37741
.7	.53811	7.49450	5.78570	4.27988	1.83921	28.42575	27.57837	26.32533
.8	.49183	6.56936	4.95062	3.56896	1.40833	21.48536	20.74784	19.67060
.9	.45135	5.78030	4.24933	2.98364	1.08627	16.32999	15.68673	14.76019
1.0	.41576	5.10370	3.65782	2.50010	.84423	12.48241	11.92029	11.12303
1.1 1.2	. 38436 . 35652	4.52061 4.01582	3.15689 2.73110	2.09939 1.76635	. 66126 . 52213	9. 596 76 7.42155	9.10471 6.99014	8.41838 6.39909
1.3	.33174	3.57692	2.36793	1.48881	.41566	5.77329	5.39452	4.88529
1.4	.30961	3.19383	2.05718	1.25696	.33367	4.51762	4.18465	3.74573
1.5	.28977	2.85823	1.79053	1.06283	.27010	3.55584	3.26276	2.88429
1.6	.27192	2.56324	1.56110	.89994	. 22049	2.81507	2.55681	2.23033
1.7	.25581	2.30314	1.36322	.76300	. 18150	2.24136	2.01352	1.73180
1.8 1.9	.24122 .22798	2.07317 1.86927	I.19214 1.04395	. 64768 . 55040	. 15065 . 12607	1.79454 1.44462	1.59335 1.26678	1.35014 1.05674
2.0	.21591	1.68806	.91532	.46821	. 10634	1.16908	1.01171	.83025
2.2	. 19481	1.38255	.70606	.33977	.07745	.77726	.65372	.51812
2.4	.17704	1.13817	. 54686	. 24739	. 05809	. 52658	.42923	. 32775
2.6	. 16193	.94128	.42508	. 18065	.04479	. 36296	. 28598	.20993
2.8	. 14899	.78164	.33147	. 13226	.03541	.25415	. 19307	.13598
3.0	.13780	.65147	.25921	.09705	.02866	. 18054 . 08112	.13189	.08898
3.5 4.0	. 11569 . 09950	.41902 .27411	.14167 .07842	.04515 .02122	.01842 .01311	.03899	.05316 .02255	.03200 .01202
4.5	.08726	. 18184	.04386	.01005	.01007	.01984	.00996	.00467
5.0	.07774	. 12205	.02475	.00479	.00818	.01062	.00454	.00186
6.0	.06401	. 05659	.00804	.00111	.00604	.00348	.00102	.00031
7.0	. 05467	. 02704	.00267	.00026	.00490	.00132	. 00025	.00006
8.0	.04793	.01323	.00091	.00006	.00421	.00056	.00007	.00001
9.0 10.0	. 04285 . 03889	. 00659 . 00333	.00031	.00001	. 00374 . 00342	.00026 .00013	.00002 .00001	. 00000 . 00000
10.0	.03009	.00333	.00011	.00000	.00342	.00013	.00001	.00000
			OMNIDIRECTIO	NAL GEOMETRI	C FACTORS (cm² MeV)		
		HIL	ET CHANNEL			LOL	ET CHANNEL	_
N	1			NAL GEOMETRI 4	C FACTORS (ET CHANNEL	4
		HIL 2	ET CHANNEL 3	4	1	LOL 2	3	-
N Multiply by:		HIL	ET CHANNEL			LOL		4 10 ⁻³
Multiply by:		HIL 2	ET CHANNEL 3	4	1	LOL 2	3	-
	10-3	HIL 2 10 ⁻³ 52.07673 45.10906	ET CHANNEL 3 10 ⁻³ 173.08600 146.49010	4 10 ⁻³	1 10 ⁻⁵ 513.14620 392.92560	10 ⁻⁴ 452.47470 343.68080	3 10 ⁻³	10-3
Multiply by: .1 .2 .3	10 ⁻³ 46.39975 42.51916 39.14892	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148	10 ⁻³ 173.08600 146.49010 124.58630	4 10 ⁻³ 146,22080 120,79530 190,16920	1 10 ⁻⁵ 513.14620 392.92560 302.79350	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770	3 10 ⁻³ 176.69070 133.46880 101.31610	10 ⁻³ 164.53350 123.95110 93.77486
Multiply by: .1 .2 .3 .4	10 ⁻³ 46.39975 42.51916 39.14892 36.20663	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941	10 ⁻³ 173.08600 146.49010 124.58630 106.43130	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474	1 10 ⁻⁵ 513.14620 392.92560 302.79350 234.86830	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272	10 ⁻³ 164.53350 123.95110 93.77486 71.24770
Multiply by: .1 .2 .3 .4	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111	ET CHANNEL 3 10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533	1 10 ⁻⁵ 513.14620 392.92560 302.79350 234.86830 183.40230	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320
Multiply by: .1 .2 .3 .4 .5	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514	10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970	10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644
Multiply by: .1 .2 .3 .4 .5 .6	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050	10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414
Multiply by: .1 .2 .3 .4 .5	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514	10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970	10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 25.93079 24.48991	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206	10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 41.71894 29.34449	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468	T CHANNEL 3 10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 88.91069 41.16209 34.71894 29.34449 24.84864	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120 22.01611	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657	4 10 ⁻³ 146, 22080 120, 79530 100, 16920 83, 35474 69, 58533 58, 26069 41, 16209 34, 71894 29, 34449 24, 84864 21, 07781	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 24.48991 23.19120 23.19120 20.1611 20.94904	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659	T CHANNEL 3 10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740	100-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.333112 27.53579 24.48991 23.19120 22.01611 20.94904 19.97666	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 11.26930 17.08206 15.37468 13.87293 12.54659 11.37082	T CHANNEL 3 10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 34.71894 29.34449 24.84864 21.079740 15.23583	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 24.48991 23.19120 23.19120 20.1611 20.94904	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207	4 10 ⁻³ 146,22080 120,79530 100,16920 83,35474 69,58533 58,26098 48,91069 41,16209 34,71894 24,84864 21,07781 17,90740 15,23583 12,98004	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120 22.01611 20.94904 19.97666 19.08762	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491	T CHANNEL 3 10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 34.71894 29.34449 24.84864 21.079740 15.23583	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 .1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 24.48991 23.19120 22.01611 20.94904 19.97666 19.08762 18.27229 17.52232 16.83052	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700	T CHANNEL 3 10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45460 8.08204	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80652 10.49979 8.64316	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 24.48991 23.19120 22.01611 20.94904 19.97666 19.08762 18.27229 17.52232 16.83052 16.19070	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.86700 7.13293	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021	4 10 ⁻³ 146,22080 120,79530 100,16920 83,35474 69,58533 58,26038 48,91069 41,16209 34,71894 24,84864 21,07781 17,90740 15,23583 12,98004 11,07173 9,45460 8,08204 6,91537	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.56034 11.63738	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120 22.01611 20.94904 19.96766 19.08762 18.27229 17.52232 16.83052 16.19070 15.59744	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388	4 10 ⁻³ 146, 22080 120, 79530 100, 16920 83, 35474 69, 58533 58, 26069 41, 16209 34, 71894 29, 34449 29, 34449 21, 07781 17, 90740 15, 23583 17, 90740 11, 07173 9, 45460 8, 08204 6, 91537 5, 92236	1 10 ⁻⁵ 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 24.48991 23.19120 29.93079 24.48991 23.19120 20.94904 19.97666 19.08762 16.83052 16.83052 16.83052 16.19070 15.559744 14.53241	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 49.1069 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45460 8.08204 6.91537 5.92236 4.35416	10-5 513.14620 392.92560 392.92560 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.88954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.880625 10.49979 8.64316 7.14196 5.92294 4.11533	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 .1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120 22.01611 20.94904 19.96766 19.08762 18.27229 17.52232 16.83052 16.19070 15.59744	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527	T CHANNEL 3 10 ⁻³ 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 15.81172 13.98021 12.37388 9.72151 7.66362	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45460 8.08204 6.91537 5.92236 4.35416 3.21037	100-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.48979 18.90387 13.60034 11.63738 10.01414 7.53786 5.79412	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294	3 10-3 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 884411	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144 9.7361
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120 22.01611 20.94904 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666 19.97666	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317	4 10 ⁻³ 146, 22080 120, 79530 100, 16920 83, 35474 69, 58533 58, 26099 41, 16209 34, 71894 29, 34449 24, 84864 21, 07781 17, 90740 15, 23583 12, 98004 11, 07173 9, 45460 8, 08204 6, 91537 5, 92236 4, 35416 3, 21037 2, 37295 1, 75782	1 10 ⁻⁵ 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126	LOL 2 10 ⁻⁴ 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 88411 60921 .42346	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144 .97361 .64135 .42592
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 24.48991 23.19120 20.94904 19.97666 19.08762 18.27229 16.83052 16.83052 16.19070 15.59744 14.55241 13.60424 12.78884 12.06730 11.42451	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317 3.81624	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 49.1069 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45460 8.08204 6.91537 5.92236 4.35416 3.21037 2.37295 1.75782 1.30468	10-5 513.14620 392.92560 392.92560 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 .88411 .60921 .60921 .629667	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144 97361 664135 42592 28492 19184
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 24.48991 23.19120 22.01611 20.94904 19.97666 19.08762 18.27229 16.83052 16.19070 15.59744 14.53241 13.60424 12.78884 12.06730 11.42451 10.08863	HIL 2 10 ⁻³ 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.89700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442 1.90738	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 17.90359 17.90359 17.90359 17.90359 17.90359 17.66362 6.05920 4.80317 3.81624 2.16575	146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45420 6.91537 5.92236 4.35416 3.21037 2.37295 1.75782 1.30468 6.62365	10-5 513.14620 392.92560 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 15.96675 15.96675 16.9738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508 1.89879	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535 5.50100	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 88411 .60921 .42346 .29667 .12552	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144 97361 .64135 .42592 .28492 .19184
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 24.48991 23.19120 22.01611 20.94904 19.97666 19.08762 18.27229 17.52232 16.83052 16.19070 15.59744 14.53241 13.60424 12.78884 12.06730 11.42451 19.08863 19.04046	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442 1.99738 1.30374	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317 3.81624 2.16575 1.24141	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26099 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45460 8.08204 6.91537 5.92236 4.35416 3.21037 2.37295 1.75782 1.30468 6.2365 3.30661	100-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508 1.89879 1.33685	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535 50100 24465	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 88411 .60921 .42346 .29667 .12552 .05499	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144 .97361 .64135 .42592 .28492 .19184 .07312
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120 20.01611 20.94904 19.97666 19.08762 16.83052	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442 1.90738 1.30374 8.89977	ET CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317 3.81624 2.16575 1.24141 .71725	4 10 ⁻³ 146, 22080 120, 79530 100, 16920 83, 35474 69, 58533 58, 26069 41, 16209 34, 71894 29, 34449 29, 34449 21, 07781 17, 90740 15, 23583 12, 98004 11, 07173 9, 45460 8, 08204 6, 91537 5, 92236 4, 35416 3, 21037 2, 37295 1, 75782 1, 30468 6, 62365 3, 0061 1, 14586	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508 1.89879 1.393685 1.01432	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535 .50100 24465 .12463	3 10-3 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 .88411 .60921 .42346 .29667 .12552 .05499 .02478	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144 .97361 .64135 .42592 .28492 .19184 .07312 .02867 .01149
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 24.48991 23.19120 25.93079 24.48991 20.1611 20.94904 19.97666 19.08762 18.27229 16.83052 16.83052 16.19070 15.59744 14.51241 13.60424 12.78884 12.06730 11.42451 10.08863 9.04046 8.195888 7.50029	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442 1.90738 1.30374 .89977 .62587	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317 3.81624 2.16575 1.24141 7.7725 41711	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26099 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45460 8.08204 6.91537 5.92236 4.35416 3.21037 2.37295 1.75782 1.30468 6.2365 3.30661	100-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.99387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508 1.89879 1.33685 1.01432 81615	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.880625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535 .50100 .24463 .06605	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 .88411 .60921 .42346 .29667 .12552 .05499 .02478 .01144	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 22.88275 2.30788 1.85282 1.49144 97361 .64135 .42592 .28492 .19184 .07312 .02867 .01149 .00469
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 25.93079 24.48991 23.19120 20.01611 20.94904 19.97666 19.08762 16.83052	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442 1.90738 1.30374 8.89977	ET CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317 3.81624 2.16575 1.24141 .71725	4 10 ⁻³ 146.22080 120.79530 100.16920 83.35474 69.58533 58.26098 48.91069 41.16209 34.71894 29.34449 24.84864 21.07781 17.90740 15.23583 12.98004 11.07173 9.45460 8.08204 6.91537 5.92236 4.35416 3.21037 2.37295 1.75782 1.30468 .62365 .30061 1.4586 .07116	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508 1.89879 1.393685 1.01432	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535 .50100 24465 .12463	3 10-3 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 .88411 .60921 .42346 .29667 .12552 .05499 .02478	10 ⁻³ 164.53350 123.95110 93.77486 71.24770 54.36320 41.65644 32.05414 24.76782 19.21587 14.96797 11.70442 9.18696 7.23728 5.72138 4.53826 3.61142 2.88275 2.30788 1.85282 1.49144 .97361 .64135 .42592 .28492 .19184 .07312 .02867 .01149
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0 6.0 7.0 8.0	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 33.62483 31.34820 29.33112 27.53579 24.48991 23.19120 29.93112 20.94904 19.97666 19.08762 16.83052 16.83052 16.83052 16.83052 16.83052 16.9070 11.42451 10.08863 9.04046 8.19588 7.50029 6.41975 5.61618 4.99253	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442 1.90738 1.30374 89977 62587 30851 1.5499 0.7898	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317 3.81624 2.16575 1.24141 .71725 .41711 .14325 .04999 .01766	4 10 ⁻³ 146, 22080 120, 79530 100, 16920 83, 35474 69, 58533 58, 26099 41, 16209 34, 71894 29, 34449 24, 84864 21, 07781 17, 90740 15, 23583 12, 98004 11, 07173 9, 45460 8, 08204 6, 91537 5, 92236 4, 35416 3, 21037 2, 37295 1, 75782 1, 30468 62365 3, 30061 1, 4586 0, 07116 0, 01715 0, 00419 0, 00419	10-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508 1.89879 1.33685 1.01432 81615 59752 48488 41785	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535 .50100 .24465 .12463 .06605 .02077 .00751 .00306	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 .88411 .60921 .42346 .29667 .12552 .05499 .02478 .01144 .00259 .00016	10 ⁻³ 164 . 53350 123 . 95110 93 . 77486 71 . 24770 54 . 36320 41 . 65644 32 . 05414 24 . 76782 11 . 70442 9 . 18696 7 . 23728 5 . 72138 4 . 53826 3 . 61142 2 . 88275 2 . 30788 1 . 85282 1 . 9144 97361 64135 42592 28492 19184 07312 02867 00149 00469 00082 00015
Multiply by: .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.5 5.0 6.0 7.0	10 ⁻³ 46.39975 42.51916 39.14892 36.20663 31.34820 29.33112 27.53579 24.48991 23.19120 22.01611 20.94904 19.97666 19.08762 18.27229 17.52232 16.83052 16.19070 15.59744 14.53241 13.60424 12.78884 12.06730 11.42451 10.08863 9.04046 8.19588 7.50029 6.41975 5.61618	HIL 2 10-3 52.07673 45.10906 39.31148 34.44941 30.34111 26.84514 23.85050 21.26930 19.03186 17.08206 15.37468 13.87293 12.54659 11.37082 10.32491 9.39161 8.55640 7.80700 7.13293 6.52527 5.47961 4.62020 3.90941 3.31832 2.82442 1.90738 1.30374 .89977 .62587 .30851 .15499	T CHANNEL 3 10-3 173.08600 146.49010 124.58630 106.43130 91.29319 78.59927 67.89948 58.83638 51.12520 44.53754 38.88810 34.02657 29.82972 26.19620 23.04207 20.29735 17.90359 15.81172 13.98021 12.37388 9.72151 7.66362 6.05920 4.80317 3.81624 2.16575 1.14325 .41711 .14325 .04999	4 10 ⁻³ 146, 22080 120, 79530 100, 16920 83, 35474 69, 58533 58, 26099 41, 16209 34, 71894 29, 34449 24, 84864 21, 07781 17, 90740 15, 23583 12, 98004 11, 07173 9, 45460 8, 08204 4, 35416 3, 21037 2, 37295 1, 75782 1, 30468 6, 2365 3, 30061 1, 4586 0, 07116 0, 07115 0, 00419	100-5 513.14620 392.92560 302.79350 234.86830 183.40230 144.18970 114.14210 90.98153 73.02300 59.01355 48.01808 39.33546 32.43724 26.92338 22.48979 18.90387 15.98675 13.60034 11.63738 10.01414 7.53786 5.79412 4.54354 3.63126 2.95508 1.89879 1.33685 1.01432 .81615 .59752 .48488	LOL 2 10-4 452.47470 343.68080 262.44770 201.50820 155.57040 120.76910 94.27057 73.98954 58.38616 46.31850 36.93622 29.60353 23.84303 19.29445 15.68481 12.80625 10.49979 8.64316 7.14196 5.92294 4.11533 2.89540 2.06039 1.48145 1.07535 50100 24465 .12463 .06605	3 10 ⁻³ 176.69070 133.46880 101.31610 77.29272 59.26183 45.66612 35.36617 27.52573 21.52866 16.91932 13.35942 10.59679 8.44266 6.75515 5.42712 4.37729 3.54378 2.87924 2.34725 1.91973 1.29569 88411 60921 .42346 .29667 .12552 .05499 .02478 .01144 .00259 .00063	10 ⁻³ 164 . 53350 123 . 95110 93 . 77486 71 . 24770 54 . 36320 41 . 65644 32 . 05414 24 . 76782 19 . 21587 14 . 96797 11 . 70442 9 . 18696 7 . 23728 5 . 72138 4 . 53826 3 . 61142 2 . 88275 2 . 30788 1 . 85282 1 . 49144 9 . 97361 6 . 64135 4 . 64135 4 . 64135 4 . 64135 6 . 64

TABLE 8. CRRES Proton Omnidirctional Geometric Factors for Power Law Spectra Monte Carlo Infinite Slab Approximation (Isotropic)

			IDIRECTIONAL	GEOMETRIC	FACTORS (cm²	HeV)		
Ħ	1	NILE 2	T CHANNEL 3	4	1	LOLET 2	CHANNEL 3	4
•	•	•	,	•	•	_	,	-
.1	. 165193	.996307	.812916	14.041600	1.317261	8.090243	8.087637	155.348200
.2 .3	. 143538 . 125747	.843136 .718063	, 677546 , 567656	11.456340 9.385640	.967210 .713368	5.923604 4.354785	5.917033 4.345842	113.277000 82.882290
.4	.111004	.615164	.477879	7.718676	.528640	3.215084	3.204857	60.859180
.5	.098683	. 529893	.404087	6.370321	.393701	2.384222	2.373463	44.852730
. 6	.088304	.458741	. 343082	5.274764	.294738	1.776277	1.765497	33.182040
.7 .8	.079494 .071961	.398983 .348486	.292379 .250023	4.380827 3.648516	.221854 .167938	1.329718 1.000365	1.319242	24.644130 18.376460
.9	.065475	.305567	.214473	3.046401	.127867	.756428	.747097	13.758790
1.0	.059854	.268893	. 184506	2.549645	.097941	.574952	.566316	10.344170
1.1	.054954	.237397	. 159143	2.138499	.075478	.439329	.431403	7.809550
1.2	.050658 .046871	.210222 .186676	. 137 59 7 . 119230	1.797224	.058528 .045668	.337491 .260652	.330268 .254105	5.920801 4.507750
1.4	.043518	. 166190	. 103524	1.276161	.035858	.202387	.196478	3.446334
1.5	.040534	. 148303	.090053	1.077942	.028332	. 157984	. 152669	2.645795
1.6	.037867	. 132630	.078470	.911814	.022525	. 123971	.119204	2.039545
1.7 1.8	.035475 .033321	.118854 .106710	. 068485 . 059858	.772310 .654949	.018018 .014500	.097784 .077518	.093518 .073708	1.578542 1.226553
1.9	.031375	.095975	.052388	. 556053	.011739	.061755	.058357	,956711
2.0	.029610	.086462	.045909	.472587	.009559	.049432	.046404	.749012
2.2	.026543	.070490	.035376	.342342	.006446	.032105	.029709	.464012
2.4 2.6	.023979 .021814	.057782 .047595	.027372 .021255	. 248842 . 181420	.004443 .003127	.021207 .014227	.019315 .012735	.291303 .185117
2.8	.019970	.039376	.016558	.132617	.002246	.009679	.008502	.118945
3.0	.018387	.032704	.012937	.097170	.001647	.006669	.005741	.077192
3.5	.015283	.020872	.007055 .003897	.045048	.000831 .000482	.002757	.002242	.027179 .009985
4.0 4.5	.013037 .011356	.013565 .008949	.003697	.021101	.000325	.001209 .000557	.000918	.003789
5.0	.010061	.005979	.001225	.004739	.000251	.000269	.000170	.001475
6.0	.008216	.002752	.000397	.001090	.000198	.000073	.000035	.000236
7.0 8.0	.00 69 77 .00 6 092	.001309 .000638	. 000132 . 000044	.000255	.000186 .000185	.000024 .000010	.000008	.000040
9.0	.005430	.000317	.000044	.000000	.000187	.000010	.000002	.000007
10.0	.004917	.000160	.000005	.000004	.000189	.000002	.000000	.000000
			IDIRECTIONAL LET CHANNEL		FACTORS (cm ² tiply by 10 ⁻³	MeV) LOLET	CHANNEL	
N	1						CHANNEL 3	4
.1	2.619097	HII 2 3.849224	3 6.124951	mu1 4 6.687885	tiply by 10 ⁻³ 1 .763012	LOLET 2 4.589471	3 4.671194	44.110260
.1 .2	2.619097 2.322209	HII 2 3.849224 3.304017	6.124951 5.155959	mu1 4 6.687885 5.495407	1 .763012 .577239	LOLET 2 4.589471 3.455491	3 4.671194 3.515494	44.110260 32.915520
.1 .2 .3	2.619097 2.322209 2.076534	HII 2 3.849224 3.304017 2.854421	6.124951 5.155959 4.362784	6.687885 5.495407 4.533999	.763012 .577239 .439169	LOLET 2 4.589471 3.455491 2.614799	3 4.671194 3.515494 2.658442	44.110260 32.915520 24.664170
.1 .2 .3 .4	2.619097 2.322209	HII 2 3.849224 3.304017	6.124951 5.155959	mu1 4 6.687885 5.495407	.763012 .577239 .439169 .336061 .258681	LOLET 2 4.589471 3.455491 2.614799 1.988806 1.520565	3 4.671194 3.515494 2.658442 2.020162 1.542705	44.110260 32.915520 24.664170 18.559340 14.025120
.1 .2 .3 .4 .5	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444	HII 2 3.849224 3.304017 2.854421 2.480670 2.167570 1.903362	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443	1 .763012 .577239 .439169 .336061 .258681 .200309	LOLET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060
.1 .2 .3 .4 .5 .6	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493	HII 2 3.849224 3.304017 2.854421 2.480670 2.167770 1.903362 1.678877	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043	LOLET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676
.1 .2 .3 .4 .5 .6	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715	HII 2 3.849224 3.304017 2.854421 2.480670 2.167570 1.903362	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485	1 .763012 .577239 .439169 .336061 .258681 .200309	LOLET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060
.1 .2 .3 .4 .5 .6 .7 .8	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203	HII 2 3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .12229 .096416 .076466	LOLET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119
.1 .2 .3 .4 .5 .6 .7 .8 .9	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.39203 1.066139	HII 2 3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.054771	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881	mu1 4 6.687885 5.495407 4.533999 3.754884 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352	HII 2 3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.054771 .946297	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318	mu1 4 6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .921130	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646	3 4.671194 3.515494 2.658442 2.020162 1.183934 .913103 .707695 .551167 .431317 .339109 .267832	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.066139 2.943583	HII 2 3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.054771	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881	mu1 4 6.687885 5.495407 4.533999 3.754884 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 .943583 .891809 .845188	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.321788 1.378952 1.054771 .946297 .851131 .767313	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880262 .772088	mu1 4 6.687885 5.495407 4.533999 3.754884 2.175100 1.823485 1.532445 1.290730 1.089364 .921130 .780211 .661884 .562314	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .039478 .032020	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .135414	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 .943583 .891809 .845188 .803021	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880262 .772088 .678250	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 921130 .780211 661884 562314 478352	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .039478 .032020 .026107 .021393	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 1.135414 .108753	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 .943583 .891809 .845188 .803021 .764725	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.67887 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 .678250 .596670	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 921130 780211 .661884 .562314 478352 .407425	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .032020 .026107 .021393 .017615	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .135414 1.08753 .087670	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 943583 .891809 .845188 .803021 .764725 .729813 .697874	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.321788 1.321788 1.321788 1.321788 1.78952 1.054771 946297 .851131 .67313 .693217 .627495 .569024 .516853 .470183	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.05348 8.880262 .772088 .678250 .596670 .525596 .463552	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .921130 .780211 .661884 .562314 .478352 .407425 .347403 .296532	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .12229 .096416 .060997 .048936 .039478 .032020 .026107 .021393 .017615 .014572 .012109	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .135414 .108753 .087670 .070927	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.73528 1.73528 669713 532277 .424335
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 .943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.0546297 .851131 .767313 .693217 .627495 .569024 .516853 .470183	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880262 .772088 .678250 .596670 .525596 .463552 .409293	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 921130 .780211 .661884 .562314 4.78352 .407425 .347403 .296532 .253353	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .039478 .032020 .026107 .021393 .017615 .014572 .012109 .010106	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .108753 .087670 .070927 .057577 .046890	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.67887 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 .678250 .596670 .525596 .463552 .409293 .320062	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .92113 661884 .562314 478352 407425 .347403 .296532 .253353 .185425	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .135414 .108753 .087670 .070927 .057577 .046890 .031380	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 .943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.0546297 .851131 .767313 .693217 .627495 .569024 .516853 .470183	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880262 .772088 .678250 .596670 .525596 .463552 .409293	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 921130 .780211 .661884 .562314 4.78352 .407425 .347403 .296532 .253353	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .039478 .032020 .026107 .021393 .017615 .014572 .012109 .010106	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .108753 .087670 .070927 .057577 .046890	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 943583 891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636 .572135 .533608 .499962	3.849224 3.304017 2.854241 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880262 .772088 .678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .92113 661884 .562314 4.780211 .478352 .407425 .347403 .296532 .253353 .185425 .136130	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .039478 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005106 .007127 .005106 .003713 .002740	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .16974 .135414 .108753 .087670 .070927 .070927 .046890 .031380 .021230 .014503 .009994	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.0	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636 .572135 .533608 .499962 .470348	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.67887 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666 .179074	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 .678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139 .123579	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .921130 .780211 .661884 .52314 4.78352 .407425 .347403 .296532 .136130 .100211 .073944	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005106 .007127 .005106 .007123 .002740 .002052	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122 .007868	3 4.671194 3.515494 2.658442 2.02162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 2.67832 .212472 .169274 .135414 .108753 .087670 .070927 .057577 .046890 .031380 .021230 .014503	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836 .041214
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.39203 1.066139 1.001352 943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636 .572135 .533608 .499882	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666 .179074 .119302	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 .678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139 .123579 .069507	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.522445 1.290730 1.089364 .921130 .780211 .661884 .562314 .477425 .347403 .296532 .253353 .185425 .136130 .100211 .073944	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .12292 .096416 .076466 .060997 .048936 .039478 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005106 .003713 .002740 .002052 .001065	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122 .007868 .003425	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .135414 .108753 .087670 .070927 .057577 .046890 .031380 .021230 .014503 .009939 .002868	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836 .041214
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.5	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 943583 891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636 .572135 .533608 .499962 .470348 .409882 .363479 .326768	3.849224 3.304017 2.854241 2.480670 2.167570 1.903362 1.678877 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666 .179074 .119302 .080602 .005070	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 .678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139 .123579	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .921130 .780211 .661884 .52314 4.78352 .407425 .347403 .296532 .136130 .100211 .073944	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .039478 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005106 .007127 .005106 .007127 .005106 .007127 .002052 .001065 .000404	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122 .007868 .003425 .001555	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 913103 707695 5551167 .431317 .339109 2.67832 212472 .169274 .135414 1.08753 0.87670 0.070927 0.57577 0.46890 0.21230 0.014503 0.014503 0.012868 0.01225 0.00537	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836 .041214 .015341 .005885
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 4.5 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 .943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636 .572135 .533608 .499962 .470348 .409882 .363479 .326768	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.67887 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666 .179074 .119302 .080602 .055070 .037973	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139 .123579 .069507	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823445 1.532445 1.532445 1.661884 .780211 .661884 .78352 .347403 .296532 .253353 .185425 .136130 .100211 .073944 .054677 .025908 .002891	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122 .007868 .003425 .001555 .000732	3 4.671194 3.515494 2.658442 2.02161 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 2.67832 .212472 .169274 .135414 .1087670 .070927 .057577 .046890 .031380 .021230 .014503 .009994 .006939 .002868 .001225 .000537	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836 .041214 .015341 .005885 .002310 .000924
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5 4.0 4.5 5.6 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636 .572135 .533608 .499962 .470348 .409882 .363479 .326768 .296992 .251562	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.678877 1.486918 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666 .179074 .119302 .080602 .055070 .037973 .018451	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 .678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139 .123579 .069507 .039520 .022666 .013093 .004444	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .921130 .780211 .661884 .562314 .477425 .347403 .296532 .23353 .185425 .136130 .100211 .073944 .054677 .025908 .012388 .005967 .002891 .000688	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .12292 .096416 .076466 .060997 .048936 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005106 .003713 .002740 .002052 .001065 .000416 .000404 .000300 .000222	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122 .007868 .003425 .001555 .000732 .000357	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .169274 .135414 .108753 .087670 .070927 .057577 .046890 .031380 .021230 .014503 .009939 .002868 .001225 .000240 .000051	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836 .041214 .015341 .005885 .002310 .000924 .000154
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 4.5 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.139203 1.066139 1.001352 .943583 .891809 .845188 .803021 .764725 .729813 .697874 .668556 .616636 .572135 .533608 .499962 .470348 .409882 .363479 .326768	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.67887 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666 .179074 .119302 .080602 .055070 .037973	3 6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880282 .772088 678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139 .123579 .069507	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.0832485 4.921130 .780211 661884 4.78352 407425 .347403 2.96532 2.253353 1.85425 1.36130 1.00211 0.073944 0.56677 0.025908 0.012388 0.005967 0.002891 0.00688	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007127 .005100 .007	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .137592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122 .007868 .003425 .001555 .000732	3 4.671194 3.515494 2.658442 2.02161 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 2.67832 .212472 .169274 .135414 .1087670 .070927 .057577 .046890 .031380 .021230 .014503 .009994 .006939 .002868 .001225 .000537	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836 .041214 .015341 .005885 .002310 .000924
.1 .2 .3 .4 .5 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 3.5 4.5 5.0 0 7.0	2.619097 2.322209 2.076534 1.871340 1.698421 1.551444 1.425493 1.316715 1.222088 1.33203 1.066139 1.001352 943583 .891689 .845188 .803021 .764725 .729813 .69813 .697874 .668556 .616636 .572135 .533608 .499962 .470348 .409882 .363479 .326768 .296992 .251562	3.849224 3.304017 2.854421 2.480670 2.167570 1.903362 1.67887 1.486918 1.321788 1.178952 1.054771 .946297 .851131 .767313 .693217 .627495 .569024 .516853 .470183 .428335 .356854 .298671 .250986 .211666 .179074 .119302 .080602 .055070 .037973 .018451	6.124951 5.155959 4.362784 3.709190 3.167234 2.715190 2.336065 2.016469 1.745787 1.515532 1.318881 1.150318 1.005348 .880262 .772088 .678250 .596670 .525596 .463552 .409293 .320062 .251192 .197767 .156139 .123579 .069507	6.687885 5.495407 4.533999 3.754884 3.120434 2.601443 2.175100 1.823485 1.532445 1.290730 1.089364 .921130 .780211 .661884 .562314 .477425 .347403 .296532 .23353 .185425 .136130 .100211 .073944 .054677 .025908 .012388 .005967 .002891 .000688	1 .763012 .577239 .439169 .336061 .258681 .200309 .156043 .122292 .096416 .076466 .060997 .048936 .039478 .032020 .026107 .021393 .017615 .014572 .012109 .010106 .007127 .005106 .003713 .002740 .00205 .000616 .000404 .000300 .000222 .000203	1.0LET 2 4.589471 3.455491 2.614799 1.988806 1.520565 1.168676 .902957 .701326 .547561 .429711 .338930 .268646 .213959 .171196 .37592 .111060 .090014 .073242 .059818 .049029 .033266 .022847 .015863 .011122 .007868 .003425 .001555 .000732 .000357 .000030	3 4.671194 3.515494 2.658442 2.020162 1.542705 1.183934 .913103 .707695 .551167 .431317 .339109 .267832 .212472 .159274 .135414 .108753 .087670 .070927 .046890 .031380 .021230 .014503 .009994 .006931 .000240 .000251	44.110260 32.915520 24.664170 18.559340 14.025120 10.644060 8.112676 6.209653 4.773087 3.684119 2.855193 2.221589 1.735284 1.360520 1.070556 .845328 .669713 .532277 .424335 .339262 .218632 .142294 .093433 .061836 .041214 .015341 .005885 .002310 .000924 .000154 .000027

TABLE 9. CRRES Proton Omnidirectional Geometric Factors for Power Law Spectra Truncated Infinite Slab Path Length Distribution (Isotropic)

			IDIRECTIONAL	GEOMETRIC	FACTORS (cm²	MeV)		
N	1	#IL 2	ET CHANNEL 3	4	1	LOI 2	LET CHANNEL 3	4
	•	•	•	•	•	•	•	•
.1	.109742	.831575	.672142	13.784540 11.263470	1.376148	8.269094 6.056869	8.238956 6.029483	155.684600 113.532000
.2 .3	. 100551 . 092337	.722053 .628951	.574011 .491361	9.240042	1.013340 .749670	4.454466	4.429697	83.076700
.4	.084983	. 549520	.421555	7.608146	.557337	3.289946	3.267625	61.008210
.5	.078388	.481516	. 362438	6.285917	.416488	2.440676	2.420628	44.967750
.6 .7	.072462 .067127	.423097 .372747	.312243 .269518	5.209906 4.330709	.312910 .236407	1.819032 1.362238	1.801070 1.346184	33.271270 24.7137 6 0
.8	.062317	.329213	.233063	3.609557	.179640	1.025210	1.010888	18.431040
.9	.057972	.291456	.201888	3.015945	. 137314	.775494	.762739	13.801840
1.0	.054040	.258615	. 175170	2.525704	.105596	. 589652	. 578306	10.378280
1.1 1.2	.050475 .047238	.229967 .204911	. 152223 . 132477	2.119588 1.782208	.081764 .063610	.450712 .346347	.440634 .337403	7.836704 5.942514
1.3	.044293	. 182938	.115452	1.501193	.049831	.267573	.259643	4.525198
1.4	.041609	.163622	. 100748	1.266563	.039279	.207821	.200794	3.460403
1.5 1.6	.039159 .036919	. 146601 . 131568	.088027 .077002	1.070219 .905577	. 031151 . 024856	. 162269 . 127365	. 156046 . 121857	2.657185 2.048795
1.7	.034868	.118263	.067434	.767254	.019951	. 100484	.095611	1.586081
1.8	.032986	. 106463	.059118	. 650838	.016108	.079675	.075365	1.232715
1.9	.031256	.095977	.051879	.5\$2700	.013079	.063485	.059673	.961762
2.0 2.2	.029665 .026843	.086641 .070874	. 045571 . 035256	.469846 .340496	.010679 .007235	.050825 .033019	.047454 .030384	.753162 .466834
2.4	.024430	.058251	.027366	.247588	.005003	.021815	.019755	.293238
2.6	.022356	.048082	.021306	. 180563	.003528	.014637	.013024	. 186452
2.8	.020561	.039844	.016633	.132027	.002536	.009958	.008695	.119872
3.0 3.5	.019000 .015889	.033137 .021197	.013017 .007122	.096763 .044885	. 001857 . 000928	.006862 .002837	.005870 .002291	.077838 .027446
4.0	.013595	.013795	.003942	.021034	.000529	.001243	.000938	.010098
4.5	.011857	.009108	.002204	.009939	.000348	.000573	.000398	.003837
5.0	.010507	.006088	.001243	.004728	.000263	.000276	.000174	.001495
6.0 7.0	.008565 .007251	.002803 .001332	.000403 .000134	.001088 .000255	.000201 .000187	.000075 .000025	.000035	.000240 .000041
8.0	.006309	.000649	.000045	.000060	.000185	.000010	.000002	.00007
9.0	.005603	.000522	.000015	.000014	.000187	.000005	.000000	.000001
10.0	.005055	.000162	.000005	.000004	.000189	.000002	. 000000	.000000
			IDIRECTIONAL ET CHANNEL	GEOMETRIC	FACTORS (cm ²	MeV)	CHANNEL	
N	1		IDIRECTIONAL ET CHANNEL 3	GEOMETRIC wult	FACTORS (cm ² iply by 10 ⁻³		r CHANNEL 3	4
		HIL 2	ET CHANNEL 3	mult 4	iply by 10 ⁻³	LOLE1	3	
.1	1.635479	HIL 2 3.051274	ET CHANNEL 3 4.771634	wult 4 6.464156	iply by 10 ⁻³ 1 .734853	LOLET 2 4.642711	3 4.718792	44.036560
		HIL 2	ET CHANNEL 3	mult 4	iply by 10 ⁻³	LOLE1	3	
.1 .2 .3	1.635479 1.529175 1.433031 1.345897	3.051274 2.696106 2.389255 2.123188	4.771634 4.127878 3.578414 3.108190	6.464156 5.329594 4.410467 3.662351	.734853 .561127 .430960	LOLET 2 4.642711 3.500360 2.652267 2.019888	3 4.718792 3.555384 2.691577 2.047493	44.036560 32.866500 24.632250 18.539220
.1 .2 .3 .4	1.635479 1.529175 1.433031 1.345897 1.266768	3.051274 2.696106 2.389255 2.123188 1.891687	4.771634 4.127878 3.578414 3.108190 2.704772	6.464156 5.329594 4.410467 3.662351 3.050720	.734853 .561127 .430960 .332934 .258726	4.642711 3.500360 2.652267 2.019888 1.546220	3 4.718792 3.555384 2.691577 2.047493 1.565145	44.036560 32.866500 24.632250 18.539220 14.012990
.1 .2 .3 .4 .5	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836	6.464156 5.329594 4.410467 3.662351 3.050720 2.548610	101y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248	LOLET 2 4.642711 3.500360 2.652267 2.019888 1.546220 1.189780	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310
.1 .2 .3 .4	1.635479 1.529175 1.433031 1.345897 1.266768	3.051274 2.696106 2.389255 2.123188 1.891687	4.771634 4.127878 3.578414 3.108190 2.704772	6.464156 5.329594 4.410467 3.662351 3.050720	.734853 .561127 .430960 .332934 .258726	4.642711 3.500360 2.652267 2.019888 1.546220	3 4.718792 3.555384 2.691577 2.047493 1.565145	44.036560 32.866500 24.632250 18.539220 14.012990
.1 .2 .3 .4 .5 .6 .7	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231	3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873	0.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580	.734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041	LOLET 2 4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716
.1 .2 .3 .4 .5 .6 .7 .8	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943	mult 4 6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 7.15513 .559175 .439214	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .551088 .439383	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231	3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441	6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866	.734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019	LOLET 2 4.642711 3.500360 2.652267 2.019888 1.546220 920274 .715513 .559175 439214 .346708	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 439383 .345666	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161
.1 .2 .3 .4 .5 .6 .7 .8	1.635479 1.529175 1.433031 1.345897 1.266768 1.129115 1.069135 1.014231 .963875	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943	mult 4 6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 7.15513 .559175 .439214	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .551088 .439383	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249	mult 4 6.464156 5.329594 4.410467 3.662351 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695	191y by 10 ⁻³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526	LOLET 2 4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 439383 .345666 .273163 .216809 .172806	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606	6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695 .556555	.734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526	LOLET 2 4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180 .175479 .141112	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 .499383 .345666 .273163 .216809 .172806 .138292	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249	mult 4 6.464156 5.329594 4.410467 3.662351 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695	191y by 10 ⁻³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526	LOLET 2 4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 439383 .345666 .273163 .216809 .172806	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584	4.771634 4.127878 3.578414 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 .645098 .570119 .504291	6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695 .555555 473716 .403672 .344351	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 7.15513 .559175 .439214 .346708 2.75016 .219180 .175479 .141112 .113956 .092400 .075212	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 939906 .828249 .730606 .645098 .570119 .504291 .446430	84 464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695 .556555 .473716 .403672 .344351 .294038	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .019328 .019328	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180 .175479 .14112 .113956 .092400 .075212 .061447	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 .499383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .058862	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 .645098 .570119 .504291 .446430 .395513	6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654655 5.473716 .403672 .344351 .294038 .251307	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .02348 .023349 .019328 .023349 .019328 .010667 .013410 .011235	4.642711 3.500360 2.652267 2.019888 1.546280 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180 .175479 .141112 .113956 .092400 .075212 .061447 .050378	3 4.718792 3.555384 2.691577 2.047493 1.505145 1.202291 .928078 .719892 .561088 .439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .048862 .047945	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	1.635479 1.529175 1.433031 1.345897 1.265764 1.14764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073 .587583	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 939906 .828249 .730606 .645098 .570119 .504291 .446430	84 464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695 .556555 .473716 .403672 .344351 .294038	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .013410 .011235 .007974	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180 .175479 .14112 .113956 .092400 .075212 .061447	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 .499383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .058862	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .79581 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 939906 .828249 .730606 .645098 .570119 .504291 .446430 .395513 .311112 .245371 .193985	6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695 .555555 .473716 .403672 .344351 .294038 .251307 .184033 .135169	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .019328 .019328 .019328 .019328 .019328 .019328 .019328	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180 .175479 .14112 .113956 .092400 .075212 .061447 .050378 .034197 .023494 .016316	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 .499383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .058862 .047945 .032093 .021716 .014836	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658 .211133	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 .645098 .570119 .504291 .446410 .395513 .311112 .245371 .193985 .153694	6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695 .473716 .403672 .344351 .344351 .344351 .35169 .099540	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .019328 .019328 .019328 .019328 .019328 .019328 .019328	4.642711 3.500360 2.652267 2.019888 1.546280 1.146280 1.145214 3.46708 2.75016 2.19180 2.75016 2.19180 0.775479 1.41112 1.13956 0.092400 0.075212 0.061447 0.050378 0.034197 0.23494 0.16316 0.011441	3 4.718792 3.555384 2.691577 2.047493 1.505145 1.202291 .928078 .719892 .561088 .439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .058862 .047945 .032093 .021716 .014836 .010223	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 2.6 2.8	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .352348 .296100 .249658 .211133 .179040	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 .645098 .570119 .504291 .446430 .395513 .311112 .245371 .193985 .153694 .122013	### ### ### ### ### ### ### ### ### ##	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .016067 .013410 .011235 .007974 .005739 .004186 .003094 .002317	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 7.15513 .559175 .439214 .346708 2.75016 .219180 .175479 .141112 .113956 .092400 .075212 .061447 .050378 .034197 .023494 .016316 .011441	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 928078 .719892 .561088 .439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .058862 .047945 .032093 .021716 .014836 .010223 .007098	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215 .041493
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8 3.0 3.5 3.5 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .79381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663 .461317 .406294	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.29095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658 .211133 .179040 .19800	4.771634 4.127878 3.578414 3.108190 2.7047772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 939906 .828249 .730606 .645098 .570119 .504291 .446430 .395513 .311112 .245371 .193985 .153694 .122013 .069035 .039421	8016 4 6.464156 5.329594 4.410467 3.662351 3.050720 2.548610 2.134814 1.792577 1.508580 1.272189 1.074866 .909723 .771181 .654695 .556555 .473716 .403672 .344351 .294038 .251307 .184033 .135169 .099540 .073472 .054342 .025762	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .013410 .011235 .007974 .005739 .004186 .003094 .002317 .001196	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180 .175479 .14112 .113956 .092400 .075212 .061447 .050378 .034197 .023494 .016316 .011441 .008094 .003524	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 .499383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .038862 .047945 .032093 .021716 .014836 .010223 .007098 .002933 .001252	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.0 3.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663 .461317 .406294 .362952 .327980	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658 .211133 .179040 .119800 .081174	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 .645098 .570119 .504291 .446430 .335513 .311112 .245371 .193985 .133694 .122013 .069035	### ### ### ### ### ### ### ### ### ##	191y by 10 ⁻³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .016067 .013410 .011235 .007974 .005739 .004186 .003094 .002317 .001196 .000682	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 7.15513 .559175 .439214 .346708 .275016 .219180 .175479 .141112 .113956 .092400 .075212 .061447 .050378 .034197 .023494 .016316 .011441 .008094 .0015599 .000753	3 4.718792 3.555384 2.691577 2.047493 1.505145 1.202291 .928078 .719892 .561088 .439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .048862 .047945 .032093 .001716 .014836 .010223 .007098 .002933 .001252	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215 .041493 .015469 .005943
.1 .2 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.2 2.4 2.6 3.5 4.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663 .461317 .406294 .362952 .327980	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658 .211133 .179040 .119800 .081174 .05570 .038368	ET CHANNEL 3 4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 .645098 .570119 .504291 .446430 .395513 .31112 .245371 .193985 .153694 .122013 .069035 .039421 .022682 .013134	### ### ### ### ### ### ### ### ### ##	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .016067 .013410 .011235 .007974 .005739 .004186 .003094 .002317 .001196 .000682	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 2.75016 .219180 .175479 .141112 .113956 .092400 .075212 .061447 .050378 .034197 .023494 .016316 .011441 .008094 .003524 .001599 .000753	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .058862 .047945 .032093 .021716 .014836 .010223 .007098 .002933 .000245	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215 .041493 .015469 .005943 .002337 .000936
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.0 3.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663 .461317 .406294 .362952 .327980	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658 .211133 .179040 .119800 .081174	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 .645098 .570119 .504291 .446430 .335513 .311112 .245371 .193985 .133694 .122013 .069035	### ### ### ### ### ### ### ### ### ##	191y by 10 ⁻³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .016067 .013410 .011235 .007974 .005739 .004186 .003094 .002317 .001196 .000682	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 7.15513 .559175 .439214 .346708 .275016 .219180 .175479 .141112 .113956 .092400 .075212 .061447 .050378 .034197 .023494 .016316 .011441 .008094 .0015599 .000753	3 4.718792 3.555384 2.691577 2.047493 1.505145 1.202291 .928078 .719892 .561088 .439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .048862 .047945 .032093 .001716 .014836 .010223 .007098 .002933 .001252	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215 .041493 .015469 .005943
.1 .2 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 4.5 2.6 3.6 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .799381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663 .461317 .406294 .362952 .327980 .299174 .254484 .21348	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.220095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658 .211133 .179040 .119800 .081174 .055570 .038368 .018670 .009280 .009280	4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 .939906 .828249 .730606 645098 .570119 .504291 .446430 .395513 .31112 .245371 .193985 .153694 .122013 .069035 .039421 .022682 .013134 .004473 .001549 .000543	### ### ### ### ### ### ### ### ### ##	191y by 10 ⁻³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .034526 .028328 .023349 .019328 .016067 .013410 .011235 .007974 .005739 .004186 .003094 .002317 .001196 .000437 .000317 .000217 .000200	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 7.15513 .559175 .439214 .346708 .275016 .219180 .175479 .141112 .113956 .092400 .075212 .061447 .050378 .034197 .023494 .016316 .011441 .008094 .003524 .001599 .000753 .000367 .000098	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 439383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .058862 .047945 .032093 .001716 .014836 .010223 .007098 .002933 .001252 .000549 .000052 .000012 .0000012	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215 .041493 .015469 .005943 .002337 .000936 .000157 .000005
.1 .2 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.635479 1.529175 1.433031 1.345897 1.266768 1.194764 1.129115 1.069135 1.014231 .963875 .917600 .874995 .835697 .79381 .765762 .734583 .705617 .678661 .653534 .630073 .587583 .550198 .517110 .487663 .461317 .406294 .362952 .327980 .299174 .254884	HIL 2 3.051274 2.696106 2.389255 2.123188 1.891687 1.689586 1.512585 1.357094 1.29095 1.099054 .991830 .896607 .811838 .736203 .668573 .607980 .553584 .504665 .460593 .420823 .352348 .296100 .249658 .211133 .179040 .119800 .081174 .055570 .038368 .018670 .009280	ET CHANNEL 3 4.771634 4.127878 3.578414 3.108190 2.704772 2.357836 2.058792 1.800475 1.576873 1.382943 1.214441 1.067776 939906 .828249 .730606 .645098 .570119 .504291 .446430 .395513 .311112 .245371 .193985 .153694 .122013 .069035 .039421 .022682 .013134 .004473 .001549	### ### ### ### ### ### ### ### ### ##	191y by 10 ³ 1 .734853 .561127 .430960 .332934 .258726 .202248 .159029 .125773 .100041 .080019 .064354 .052029 .042279 .034526 .028328 .023349 .019328 .016067 .013410 .011235 .007974 .005739 .004186 .003094 .002317 .001196 .000682 .000437	4.642711 3.500360 2.652267 2.019888 1.546220 1.189780 .920274 .715513 .559175 .439214 .346708 .275016 .219180 .175479 .14112 .113956 .092400 .075212 .061447 .050378 .034197 .02494 .016316 .011441 .0080524 .001599 .000367	3 4.718792 3.555384 2.691577 2.047493 1.565145 1.202291 .928078 .719892 .561088 .499383 .345666 .273163 .216809 .172806 .138292 .111102 .089588 .072496 .032093 .021716 .014836 .010223 .007098 .002245 .000245 .000245 .000245 .000245	44.036560 32.866500 24.632250 18.539220 14.012990 10.637310 8.109527 6.208829 4.773716 3.685615 2.857161 2.223773 1.737510 1.362684 1.072592 .847202 .671412 .533799 .425686 .340454 .219543 .142980 .093944 .062215 .041493 .015469 .005943 .002337 .000936

TABLE 10. CRRES Proton Omnidirectional Geometric Factors for Power Law Spectra Isotropic Path Length Distribution Calculation

			IDIRECTIONAL	L GEOMETRIC	FACTORS (cm	NeV)		
×	1	NILI 2	ET CHANNEL 3	4	1	LOL 2	ET CHANNEL 3	4
								167 670700
. 1 . 2	. 140964 . 129520	.955409 .826480	.766305 .651606	14.215000 11.604460	2.224473 1.653132	10.494150 7.723066	10.180770 7.479519	163.678700 119.477500
.3	.119303	.717634	. 555647	9.512209	1.235790	5.710072	5.518507	87.518200
.4 .5	. 110165 . 101973	. 625353 . 546792	.475099 .407265	7.826946 6.462989	.929648 .704054	4.242469 3.168352	4.089117 3.045373	64.341450 47.480910
.6	.094616	.479644	. 349963	5.354127	. 537013	2.379005	2.278666	35.175220
.7 .8	. 087994 . 082022	.422027 .372403	.301412 .260156	4.448836 3.706849	.412692 .319660	1.796419 1.364474	1.713602 1.295375	26.163170 19.539880
.9	.076626	.329509	.225004	3.096467	.249642	1.042685	.984447	14.654290
1.0	.071741	.292306	.194975	2.592637	. 196625	.801756	.752219	11.036840
1.1 1.2	. 067308 . 063279	.259930 .231 6 69	. 169258 . 147182	2.175452 1.828998	. 156228 . 125242	.620429 .483218	.577941 .446507	8.347971 6.341347
1.3	. 059609	.206924	. 128190	1.540511	. 101313	.378812	.346882	4.837800
1.4 1.5	.056260 .053199	. 185196 . 166066	.111817 .097672	1.299697 1.098214	.082704 .068127	.298909 .237400	.270978 .212844	3.706553 2.851891
1.6	.050394	. 149179	.085431	.929284	.056624	. 189769	. 168084	2.203480
1.7 1.8	.047821 .045454	. 134237 . 120985	.074817 .065599	.787372 .667942	.047481 .040158	.152662 .123579	. 133439 . 106481	1.709487 1.331570
1.9	.043275	. 109206	.057581	.567264	.034250	.100647	.085395	1.041256
2.0 2.2	.041265	.098715	.050596	.482266	.029448	.082455	.068814	.817326
2.4	.037686 .034610	.080982 .066758	.039180 .030447	.349565 .254238	.022273 .017328	.056287 .039244	.045303 .030335	.509071 .321395
2.6	.031947	.055275	.023736	. 185458	.013827	.027897	.020628	.205438
2.8 3.0	.029630 .027600	.045950 .038337	.018558 .014547	.135640 .099437	.011286 .009397	.020183 .014837	.014223	. 132802 . 086723
3.5	.023507	.024715	.007993	.046156	.006392	.007302	.004234	.031038
4.0	.020436	.016205	.004445	.021645	.004712	.003858	.001904	.011605
4.5 5.0	.018069 .016198	.010774 .007248	.002496 .001414	.010234 .004872	.003685 .003010	.002156 .001261	.000433	.004487 .001782
8.6	.013451	.003375	.000463	.001122	.002201	.000478	.000110	.000298
7.0 8.0	.011544 .010149	.001619 .000795	.000155 .000053	.000263	.001744 .001457	.000200 .000089	.000030	.000053 .000010
9.0	.009087	.000397	.000018	.000015	.001263	.000042	.000003	. 000002
10.0	.008253	.000202	.000006	.000004	.001125	.000020	.000001	.000000
			DOCT OFOURT		M.U.			
			DOSE GEOMETI	RIC FACTORS	(cm ² MeV) tiply by 10 ⁻³	LOLE	T CHANNEL	
N	1			RIC FACTORS	(cm ² MeV) tiply by 10 ⁻³ 1	S FOTE	T CHANNEL 3	4
	1 2.084789	HIL	LET CHANNEL	រាប1: 4	tiply by 10^{-3}			4 45.637140
.1 .2	2.084789 1.952233	HII 2 3.514122 3.093674	5.465237 4.709353	mu1 4 6.721985 5.532081	1.047623 .806789	2 5.443544 4.119221	3 5.436980 4.106980	45.637140 34.084960
.1 .2 .3	2.084789 1.952233 1.832482	HII 2 3.514122 3.093674 2.732758	5.465237 4.709353 4.068085	6.721985 5.532081 4.570593	1.047623 .806789 .625740	2 5.443544 4.119221 3.134467	3 5.436980 4.106980 3.118250	45.637140 34.084960 25.564500
.1 .2 .3 .4	2.084789 1.952233 1.832482 1.724063 1.625687	3.514122 3.593674 2.732758 2.421653 2.152405	5.465237 4.709353 4.068085 3.522346 3.056516	6.721985 5.532081 4.570593 3.789852 3.152925	1.047623 .806789 .625740 .488868 .384794	2 5.443544 4.119221 3.134467 2.398771 1.846454	3 5.436980 4.106980 3.118250 2.379919 1.826016	45.637140 34.084960 25.564500 19.256050 14.567040
.1 .2 .3 .4 .5	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223	HII 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758	6.721985 5.532081 4.570593 3.789852 3.152925 2.631054	1.047623 .806789 .625740 .488868 .384794	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720
.1 .2 .3 .4	2.084789 1.952233 1.832482 1.724063 1.625687	3.514122 3.593674 2.732758 2.421653 2.152405	5.465237 4.709353 4.068085 3.522346 3.056516	6.721985 5.532081 4.570593 3.789852 3.152925	1.047623 .806789 .625740 .488868 .384794	2 5.443544 4.119221 3.134467 2.398771 1.846454	3 5.436980 4.106980 3.118250 2.379919 1.826016	45.637140 34.084960 25.564500 19.256050 14.567040
.1 .2 .3 .4 .5 .6 .7	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714894 1.535983 1.379238	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.020960 1.766889	6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483
.1 .2 .3 .4 .5 .6 .7 .8	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560	HIL 2 3.514122 3.093674 2.732758 2.421655 1.918481 1.714494 1.535983 1.379238 1.241167	5.465237 4.709353 4.068085 3.522346 2.657758 2.315492 2.020689 1.547215	mu1. 4 6.721985 5.532081 4.570593 3.789852 2.631054 2.201719 1.847179 1.553380 1.309131	tiply by 10 ⁻³ 1 1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249500 1.192105 1.139191	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089	5.465237 4.709353 4.068085 3.522346 3.0567758 2.315492 2.020960 1.766889 1.356875 1.356875	mu1-4 6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	2.084789 1.95233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.020960 1.766889 1.547215 1.356875 1.91610	6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 348888 .281410	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 .416105 .331049 .264639	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249500 1.192105 1.139191	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089	5.465237 4.709353 4.068085 3.522346 3.0567758 2.315492 2.020960 1.766889 1.356875 1.356875	mu1-4 6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.043210 1.003384 .964558	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792	5.465237 4.709353 4.068085 3.522346 3.0565758 2.315492 2.020960 1.766889 1.547215 1.356875 1.191610 1.047845 .922554 81379 .717546	mu1 4 6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 1.86059 .152461	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .264639 .212529 .171438 .138882	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.003384	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.02096 1.766889 1.547215 1.356875 1.91610 1.047845 922554 813179 717546 633801	mu1 4 6.721985 5.532081 4.570593 3.789852 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .348888 .281410 .228219 1.186059 .152461 .125545	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 .416105 .331049 .264639 .212529 .171438 1.38882 .112966	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.003384 .964558 .928460 .894828 .863447	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 915056 .829515 .753140 .684792 .623497 .568416 .518826	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.020960 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 .717546 .633801 .560365 .495882	mu1 4 6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 .186059 .152461 .125545 .103870 .086327	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .246639 .212529 .171438 .138882 .112966 .092244	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.24950 1.192105 1.139191 1.090359 1.045210 1.003384 964558 928460 .894828 .863447 .834112	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497 .568416 .518826 .474101	5.465237 4.709353 4.068085 3.522346 3.0565758 2.315492 2.020960 1.766889 1.547215 1.356875 1.191610 1.047845 922554 923179 .717546 .633801 .60365 .495882 .439191	mu1-4 6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 1.186059 .152461 .125545 .103870 .086327 .072058	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .264639 .212529 .171438 .138882 .112966 .092244 .075601 .062179	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.0 2.2 2.4	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.003384 9264558 928460 .894428 .863447 .834112 .733923	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 9.915056 829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.02060 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 .71764666 633801 .560365 495882 .439191 345320 .272287	mu1 4 6.721985 5.532081 4.570593 3.769852 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 1.88787 .138650	tiply by 10 ⁻³ 1 1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .348888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .072058 .050827	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 .416105 .331049 .246439 .212529 .171438 .138882 .112966 .092244 .075601 .062179 .042475 .029363	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.003384 964558 928460 894828 863447 834112 783884 733923 692242	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 915056 829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.020960 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 .717546 633801 560365 495882 439191 .345220 272287 215248	mu1 4 6.721985 5.532081 4.570593 3.789852 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 .188787 .138650 .102100	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .072058 .050827	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .212529 .171438 .138882 .112966 .092244 .075601 .062179 .042475 .029363 .020517	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233000 1.52222 .100341
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.093384 .964558 .928460 .894628 .863447 .834112 .780884 .733923 .692242 .655036 .621649	HIL 2 3.514122 3.093674 2.732758 2.421655 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746 .238448 .202364	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.02066 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 717546 633801 .560365 495882 439191 345320 272287 215248 1370549 135413	mu1 4 6.721985 5.532081 4.570593 3.769852 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 1.88787 .138650	tiply by 10 ⁻³ 1 1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .096327 .096327 .036401 .026434 .019443 .019443	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .264639 .212529 171438 .138882 .112966 .092244 .0752017 .042475 .029363 .020517 .014474 .010300	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222 .100341 .066674
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090384 964558 928450 894828 863447 834112 780884 7338923 692242 655036 621649 551561	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746 .238448 .202364 .135692	STANDEL 3 5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.02060 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 .717546 .633801 .560365 495882 .439191 .345320 .272287 .215248 .170549 .135413	mu1* 4 6.721985 5.532081 4.570593 3.789852 2.631054 2.201719 1.847179 1.553380 1.305131 1.105466 935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 .188787 .138650 .102100 .075362 .055742 .026431	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .02098 .015997 .012981 .010721 .009000 .006179	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .348888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .072058 .050827 .036401 .026434 .014470 .007239	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 .416105 .331049 .2464639 .212529 .171438 .138882 .112966 .092244 .075601 .062179 .042475 .029363 .020517 .014474 .010300 .004545	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222 .100341 .066674 .044621
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.093384 .964558 .928460 .894628 .863447 .834112 .780884 .733923 .692242 .655036 .621649	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 915056 829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746 .238448 .202364 .135692 .092138	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.02066 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 717546 633801 .560365 495882 439191 345320 272287 215248 1370549 135413	mu1 4 6.721985 5.532081 4.570593 3.789852 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 .138650 .102100 .075362 .055742 .026431 .012647	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997 .012981 .010721 .009000 .006179 .004562	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .096327 .096327 .036401 .026434 .019443 .019443	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .264639 .212529 171438 .138882 .112966 .092244 .0752017 .042475 .029363 .020517 .014474 .010300	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222 .100341 .066674
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.0 3.5 4.5 5.6	2.084789 1.952233 1.832482 1.724063 1.625687 1.336223 1.454693 1.380227 1.312071 1.249560 1.192105 1.39191 1.090359 1.045210 1.093384 .964558 .928460 .894828 .863447 .834112 .780884 .733923 .692242 .655036 .621649 .551561 .4959792 .413337	HIL 2 3.514122 3.093674 2.732758 2.421655 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746 .238448 .202364 .135692 .092138 .063208 .043730	5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.020689 1.547215 1.356875 1.91610 1.047845 922554 813179 .717546 .633801 .560365 .495882 .43919 .215243 .345120 .272287 .215243 .376668 .043820 .025240 .044820	mu1** 4 6.721985 5.532081 4.570593 3.789852 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 .188787 .138650 .102100 .075362 .055742 .026431 .012647 .006095	11,047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997 .012981 .010721 .009000 .006179 .004562 .003564	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .096327 .036401 .026434 .019443 .014470 .007239 .003833 .002130	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .264639 .212529 171438 .138882 .112966 .092244 .075617 .042475 .029363 .020517 .014474 .010300 .004545 .002084 .000479	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222 .100341 .066674 .044621 .016790 .006516 .002590 .001050
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.192105 1.09384 964558 928460 .894828 .863447 .834112 .780884 .733823 .692242 .655036 .621649 .551561 .495949 .450772 .413337 .334830	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746 .238448 .202364 .135692 .092138 .063208 .043730 .021359	STANSEL 3 5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.02060 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 -7176486 633801 .560365 495882 439191 .345320 .272287 .215248 -170549 .135413	mu1* 4 6.721985 5.532081 4.570593 3.769852 2.631054 2.201719 1.847179 1.553380 1.3053131 1.105466 935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 .188787 .138650 .102100 .075362 .055742 .026431 .012647 .006095 .002955	tiply by 10 ⁻³ 1 1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997 .012981 .010721 .009000 .006179 .004562 .003564 .002908	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .348888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .072058 .050827 .036401 .026434 .019443 .014470 .007239 .003833 .002130 .001234 .000458	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .2464639 .212529 .171438 .138882 .112966 .092244 .075601 .062179 .042475 .029363 .020517 .014474 .010300 .004545 .002084 .000986 .000479	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222 .100341 .066674 .044621 .016790 .006516 .002590 .001050 .000181
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5 5.0 6.0 7.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.003384 .964558 .928460 .894828 .863447 .834112 .780884 .733923 .692242 .655036 .621649 .551561 .4955949 .450772 .413337 .354830 .311097 .277081	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746 .238448 .202364 .135692 .092138 .063208 .043730 .021359 .010653 .005397	5.465237 4.709353 4.068085 3.522346 3.525516 2.657758 2.315492 2.020960 1.766889 1.547215 1.356875 1.91610 1.047845 922554 813179 717546 633801 560365 495882 43591 345320 272287 215248 43791 345320 272287 215248 43791 345320 272287 215248 215248 215248 215248 215248 215248 215248 21624 2	mu1** 4 6.721985 5.532081 4.570593 3.789852 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 .188787 .138650 .102100 .075362 .055742 .026431 .012647 .006095	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997 .012981 .010721 .009000 .006179 .004562 .00364 .002908	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 1.86059 .152461 .125545 .103870 .086327 .072058 .050827 .072058 .07205	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.092215 .851453 .667246 .525592 4.16105 .331049 .264639 .212529 171438 .138882 .112966 .092244 .075601 .062179 .042475 .029363 .020517 .014474 .010300 .004545 .000986 .000479 .0000121 .000033 .000009	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222 .100341 .066674 .044621 .016790 .006516 .002590 .001050 .000181 .000033
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 4.5 5.6 6.0 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	2.084789 1.952233 1.832482 1.724063 1.625687 1.536223 1.454693 1.380227 1.312071 1.249560 1.192105 1.139191 1.090359 1.045210 1.003384 .964558 .928460 .894828 .863447 .834112 .780884 .733923 .692242 .655036 .621649 .551561 .495949 .450772 .413337 .354830 .311097	HIL 2 3.514122 3.093674 2.732758 2.421653 2.152405 1.918481 1.714494 1.535983 1.379238 1.241167 1.119179 1.011089 .915056 .829515 .753140 .684792 .623497 .568416 .518826 .474101 .397132 .333929 .281746 .238448 .202364 .135692 .092138 .063208 .043730 .021359 .010653	STANDEL 3 5.465237 4.709353 4.068085 3.522346 3.056516 2.657758 2.315492 2.020960 1.766889 1.547215 1.356875 1.191610 1.047845 922554 813179 -717546 6.633801 .560365 495882 439191 .345320 272287 -215248 .170549 .135413 .076688 043820 .025240 .14632 .004995 .001733	mu1* 4 6.721985 5.532081 4.570593 3.789852 3.152925 2.631054 2.201719 1.847179 1.553380 1.309131 1.105466 .935176 .792434 .672505 .571527 .486340 .414343 .353394 .301717 .257841 .188787 .138650 .102100 .075362 .005742 .026431 .012647 .006095 .002955 .000704	1.047623 .806789 .625740 .488868 .384794 .305179 .243897 .196428 .159420 .130378 .107437 .089196 .074595 .062832 .053294 .045511 .039120 .033840 .029452 .025785 .020098 .015997 .012981 .010721 .009000 .006179 .004562 .002364 .002124 .002124	2 5.443544 4.119221 3.134467 2.398771 1.846454 1.429714 1.113631 .872615 .687838 .545392 .434969 .34888 .281410 .228219 .186059 .152461 .125545 .103870 .086327 .072058 .050827 .072058 .050827 .072058 .050827 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .050837 .072058 .07205	3 5.436980 4.106980 3.118250 2.379919 1.826016 1.408487 1.092215 .851453 .667246 .525592 416105 .331049 .212529 .171438 .138882 .112966 .092244 .075601 .062179 .042475 .029363 .020517 .014474 .010300 .004545 .002084 .000479 .000479 .000479	45.637140 34.084960 25.564500 19.256050 14.567040 11.067720 8.445512 6.472406 4.981483 3.850144 2.988032 2.328320 1.821378 1.430222 1.127188 .891493 .707465 .563239 .449798 .360259 .233009 .152222 .100341 .066674 .044621 .016790 .006516 .002590 .001050 .000181 .000033

TABLE 11. CRRES Omnidirectional Geometric Factors for Maxwellian Energy Distribution Isotropic Path Length Distribution Computation

		FLUX ON	IDIRECTIONA	L GEOMETRIC F	ACTORS (cm)	HeV)		
		HIL	ET CHANNEL	MULTIP	LY BY 10-3	rore.	T CHANNEL	
kT	(MeV) 1	2	3	4	1	2	3	4
5.0	20.071	7.011	. 372	. 086	3.561	.758	.045	.004
6.0	24.357	14,221	1.284	. 640	4.816	1.688	. 175	.039
7.0	28.762	24.223	3.183	2.744	6.319	3.168	. 490	.208
8.0	33.258	36.847	6.394	8.308	8.093	5.321	1.111	.779
9.0	37.818	51.838	11.138	19.885	10.163	8.274	2.179	2.269
10.0	42.418	68.912	17.531	40.315	12.549	12.156	3.843	5.496
11.0	47.038	87.791	25.599	72.363	15.269	17.089	6.253	11.584
12.0	51.661	108.215	35.305	118.462	18.340	23.187	9.555	21.932
13.0	56.273	129,949	46.569	180.566	21.773	30.556	13.887	38.151
14.0	60.862	152.786	59.286	260.103	25.579	39.290	19.374	61.999
15.0	65.418	176.541	73.337	357.999	29.766	49.472	26.129	95.314
16.0	69.933	201.059	88.598	474.723	34.342	61.176	34.255	139.959
17.0	74.401	226.200	104.946	610.363	39.313	74.464	43.838	197.769
18.0	78.817	251.849	122.263	764.700	44.681	89.391	54.959	270.521
19.0	83.176	277.903	140.439	937.271	50.452	106.003	67.682	359.908
20.0	87.476	304.277	159.370	1127.435	56.628	124.341	82.067	467.519
21.0	91.713	330.894	178.963	1334.426	63.211	144.436	98.162	594 . 835
22.0	95.885	357.691	199.130	1557.389	70.203	166.319	116.009	743.220
23.0	99.991	384.614	219.795	1795.421	77.604	190.011	135.643	913.922
24.0	104.031	411.616	240.888	2047.591	85.416	215.533	157.095	1108.075
25.0	108.002	438,656	262.344	2312.964	93.639	242.901	180.387	1326.710

DOSE OMNIDIRECTIONAL GEOMETRIC FACTORS (cm2 MeV) HILET CHANNEL multiply by 104 LOLET CHANNEL kT (MeV) 2 2 1 1 5.0 509.022 47.283 4.638 .067 3.410 . 698 .045 .002 6.0 7.0 15.304 .179 592.422 91.845 .476 4.617 1.564 .022 672.634 150.467 36.525 1.966 6.077 2.968 .512 .123 750.107 221.035 71.008 5.761 7.820 5.056 8.0 1.186 .475 9.0 825.138 301.381 120.208 13.410 9.873 7.986 2.369 1.406 10.0 897.924 389.548 184.495 26.543 12.261 11.914 4.242 3.438 11.0 968.608 483.860 263.461 46.657 14.999 16.987 6.987 7.283 12.0 1037.305 582.920 356.201 74.989 18.101 23.339 10.778 13.812 685.585 112.454 21.576 13.0 1104.105 461.535 31.087 15.776 24.013 14.0 1169.088 790.914 578.163 159.648 25.430 40.328 22.120 38.941 15.0 1232.323 898.152 704.768 216.876 29.664 51.143 29.933 59.669 16.0 1293.873 1006.687 840.078 284.200 34.279 63.595 39.317 87.257 17.0 1353.798 1116.012 982.902 361.486 39.274 77.733 50.353 122.717 44.646 50.391 56.505 62.984 63.109 77.636 93.970 1225.732 1335.520 1132.152 18.0 1412.153 448.451 93.593 166.995 544.702 649.772 19.0 1468,990 1286.834 111.200 220.959 1445.109 1446.071 20.0 1524.360 130.567 285.389 1554.297 1662.903 151.703 1578.307 1609.071 21.0 763.151 112.139 132.157 360.979 22.0 69.820 1630.881 1775.147 884.299 174.607 448.332 1012.666 23.0 1943.682 77.009 199.274 154.031 547.969 1682.119 1770.800 1732.068 84.545 225.693 177.763 24.0 1877.873 2114.144 660.331 1780.765 1984.044 2286.065 1288.904 92.420 253.852 203.346 785.785

TABLE 12 A. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 0$ degrees

				GEOMETRIC	FACTORS (cm ³			
*	1	S MIF	ET CHANNEL 3	4	1	LOL 2	ET CHAMNEL 3	4
.1	. 170932	1.407956	1.261448	13.452650	1.311834	2.500968	2.259882	. 501950
.2	.152418	1.130886	1.003702	9.766838	.959418	1.775038	1.602212	.353090
.3 .4	. 136294 . 122230	.912044 .738634	.801214	7.110640	.704334	1.261828	1.137638	. 248752
.5	. 109938	. 600764	. 641694 . 515662	5.191758 3.801986	.519134 .384232	. 898528 . 640990	. 809052 . 576340	. 175530 . 124076
.6	.099174	.490770	.415796	2.792778	.285636	.458154	.411296	.087868
.7	.089728	.402696	. 336422	2.057922	.213316	.328152	. 294072	. 062350
.8 .9	.081426 .074112	.331914 .274808	.273140 .222528	1.521324	. 160072 . 120720	.235564 .169506	.210682 .151264	.044338
1.0	.067654	.228558	. 181920	.839728	.091516	. 122290	. 108852	.031602 .022580
1.1	.061944	. 190948	. 149232	.627070	.069754	.088472	.078524	.016178
1.2 1.3	.056880 .052380	.160240	. 122834	.469900	.053466	.064202	. 056794	.011624
1.4	.048374	.135064 .114338	. 101444 . 084054	.353370 .266686	.041220 .031972	.046744 .034154	.041192 .029966	. 008376 . 006058
1.5	.044798	.097202	.069870	.201992	.024952	.025054	.021868	.004396
1.6	.041600	.082978	. 058262	. 153548	.019600	.018456	.016014	.003202
1.7 1.8	.038734 .036158	.071118 .061190	.048732 .040882	.117146	.015498 .012338	.013658	.011768	. 002342
1.9	.033838	.052846	.034396	.068936	.009892	.010158 .007596	. 008682 . 006432	.001720 .001270
2.0	.031746	.045804	. 029020	.053170	.007990	.005714	.004786	.000942
2.2	.028134	.034762	.020820	.031978	.005328	.003296	.002688	.000526
2.4 2.6	.025152 .022670	.026716 .020770	.015086 .011030	.019510 .012072	.003666 .002602	.001956 .001200	.001540 .000904	.000300 .000176
2.8	.020584	.016312	.008132	.007574	.001910	.000762	.000542	.000176
3.0	.018816	.012932	.006040	.004816	.001448	.000502	.000334	. 0000ნ6
3.5 4.0	.015424 .013036	.007492 .004 5 20	,002954 ,001494	.001642	.000828 .000558	.000206	.000110	.000022
4.5	.011284	.004320	.001774	.000602 .000236	.000426	.000102 .000058	.000042 .000018	.000008
5.0	.009956	.001798	.000410	.000098	.000354	.000036	.000008	.000002
6.0	.008090	.000778	.000120	.000018	.000282	.000016	.000002	.000000
7.0 8.0	. 006852 . 005974	.000358 .000172	.000038 .000012	.000004	.000250 .000234	. 000008 . 000004	,000000, 000000.	.000000
9.0	.005322	.000086	.000012	.000000	.000234	.000002	.000000	.000000
10.0	.004820	.000044	.000002	.000000	.000220	.000002	.000000	.000000
		DOSE	OMNIBIRECTIO	NAL GEOMETR	IC FACTORS (c	m² MeV)		
			OMNIDIRECTION CHANNEL		IC FACTORS (cily by 10 ⁻³		CHANNEL	
H	1				ly by 10 ⁻³	LOLET		4
		HILET 2	CHANNEL 3	multip 4	ly by 10 ⁻³	LOLET (3	
.1	1.968214	HILET 2 4.203022	7 CHANNEL 3 7.260414	multip 4 9.442640	1 .859254	LOLET 6 2 2.630664	3 2.571680	. 292870
.1 .2 .3	1.968214 1.818304 1.684654	HILET 2 4.203022 3.524886 2.969378	7.260414 5.998056 4.972360	multip 4	ly by 10 ⁻³	LOLET (3	
.1 .2 .3	1.968214 1.818304 1.684654 1.565220	4.203022 3.524886 2.969378 2.512392	7.260414 5.998056 4.972360 4.136046	multip 4 9.442640 7.010392 5.220614 3.899804	1 .859254 .644770 .485938 .367868	2.630664 1.875876 1.339802 .958554	3 2.571680 1.831522 1.306344 .933232	.292870 .205994 .145106 .102378
.1 .2 .3 .4	1.968214 1.818304 1.684654 1.565220 1.458232	4.203022 3.524886 2.969378 2.512392 2.134856	7.260414 5.998056 4.972360 4.136046 3.451794	multip 4 9.442640 7.010392 5.220614 3.899804 2.922222	1 859254 .644770 .485938 .367868 .279756	2 2.630664 1.875876 1.339802 .958554 .687032	3 2.571680 1.831522 1.306344 .933232 .667796	.292870 .205994 .145106 .102378 .072358
.1 .2 .3 .4 .5 .6	1.968214 1.818304 1.684654 1.565220	4.203022 3.524886 2.969378 2.512392	7.260414 5.998056 4.972360 4.136046	multip 4 9.442640 7.010392 5.220614 3.899804	1 .859254 .644770 .485938 .367868	2.630664 1.875876 1.339802 .958554	3 2.571680 1.831522 1.306344 .933232	.292870 .205994 .145106 .102378
.1 .2 .3 .4 .5 .6	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.420216 2.044670	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844
.1 .2 .3 .4 .5 .6 .7	1.968214 1.818304 1.684654 1.565220 1.456232 1.362170 1.275708 1.197702 1.127152	4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086	2.630664 1.875876 1.375876 1.339802 .958554 .687032 .493370 .355026 .256036 .185082	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416
.1 .2 .3 .4 .5 .6	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .185082 .134132	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126	4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086	2.630664 1.875876 1.375876 1.339802 .958554 .687032 .493370 .355026 .256036 .185082	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784	4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .666094	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .185082 .134132 .097472 .71040 .051942	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540	4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .6666094 .584516	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338	9.442640 7.010392 5.220614 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .185082 .134132 .097472 .C71040 .051942 .038108	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .0064876 .003524
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784	4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .666094	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .193426	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 1.85082 .134132 .097472 .C71040 .051942 .038108 .028064	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270	4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 872824 .761300 .666094 .584516 .514364 .453832 .401424	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 -903782 .773338 .663178 .569896 .490706	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .185082 .134132 .097472 .071040 .051942 .038108 .028064 .020752 .015412	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .355910	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312	9.442640 7.010392 5.20614 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .012478	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .185082 .134132 .097472 .C71040 .051942 .038108 .028064 .020752 .015412 .011500	3 2.571680 1.831522 1.306344 933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360 .000998
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .666094 .584516 .514364 .453832 .401424 .355910 .316262	7 CHANNEL 3 7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312 .365824	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 324882 .250306 .193426 .149914 .116594 .1090844	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047055 .037216 .029586 .023646 .019002 .015354 .012478 .010198	2 2.630664 1.875876 1.339802 .958554 687032 .493370 .355026 .256036 .185082 .134132 .097472 .C71040 .051942 .038108 .028064 .020752 .015412 .011500 .008626	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001862 .001360 .000998
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.063194 1.063194 1.063940 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .666146 .658902 .610020	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .666094 .584516 .514364 .453832 .401424 .355910 .316262 .281622	7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 -903782 .773338 .663178 .569896 .490706 .423312 .365824 .316674 .238410	9.442640 7.010392 5.220614 3.899804 2.922222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .071024	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .029586 .021646 .019002 .015354 .012478 .010198 .008384 .008384	2 2.630664 1.875876 1.375876 1.375876 1.339802 .958554 .687032 .493370 .355026 .185082 .134132 .097472 .71040 .051942 .038108 .028054 .020752 .015412 .011500 .008626 .006506 .003770	3 2.571680 1.831522 1.306344 933232 .657796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360 .000998
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658902 .610020 .567488	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .355910 .316262 .281622 .224622 .180438	7 .260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312 .365824 .316674 .238410 .180512	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950492 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .071024 .055684 .034516	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .012478 .010198 .008384 .005770 .004074	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .256036 .134132 .097472 .C71040 .051942 .038108 .028064 .020752 .015412 .011500 .008626 .006506 .003770 .002246	3 2.571680 1.831522 1.306344 933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360 .000998 .000736 .000364 .000364
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658902 .610020 .567488 .530212	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .3315910 .316262 .281622 .281622 .281622 .281622	7 CHANNEL 3 7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .490706 .490312 .365824 .316674 .238410 .180512 .137372	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .42950 3.24882 .250306 .193426 .149914 .116532 .090844 .071024 .055684 .034516 .021630 .013702	1y by 10 ⁻³ 1 .859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .015354 .01198 .008384 .005770 .004074 .002952	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .256036 .256036 .256036 .051942 .071040 .051942 .038108 .020752 .015100 .008626 .006506 .003770 .002246 .001378	3 2.571680 1.831522 1.306344 933232 667796 478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910 .001122	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360 .000998 .000736 .000304 .000174 .000102
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658902 .610020 .567488	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .355910 .316262 .281622 .224622 .180438	7 .260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312 .365824 .316674 .238410 .180512	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950492 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .071024 .055684 .034516	1 859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .012478 .010198 .008384 .005770 .004074	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .256036 .134132 .097472 .C71040 .051942 .038108 .028064 .020752 .015412 .011500 .008626 .006506 .003770 .002246	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910 .001122 .000674	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360 .000936 .000304 .000304 .000174 .000102
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.968214 1.818304 1.684654 1.565220 1.458232 1.3662170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658992 .610020 .567488 .530212 .497314 .468092 .407674	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560656 1.342258 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .355910 .316262 .224622 .180438 .145872 .118604 .096934 .059692	7 CHANNEL 3 7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676903782773338663178569896490706423312 .365824 .316674238410 .180512 .137372 .105020 .080618 .042268	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .071024 .055684 .034516 .021630 .013702 .008770 .005672 .001994	1	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .134132 .097472 .C71040 .051942 .038108 .028064 .020752 .015412 .011500 .008626 .006506 .003770 .002246 .001378 .000874 .000574 .000574 .000234	3 2.571680 1.831522 1.306344 933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910 .001122 .000674 .000416 .000418	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .001560 .001998 .000736 .001560 .000998 .000736 .000174 .000102
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 3.5 4.0 3.5 4.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658902 .610020 .567488 .530212 .497314 .468092 .407674 .360614	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .666094 .584516 .514364 .453832 .401424 .355910 .316262 .224622 .281622 .224622 .180438 .145872 .118604 .096934 .059692	7 .260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312 .365824 .316674 .238410 .180512 .137372 .105020 .080618 .042268	9.442640 7.010392 5.220614 3.899804 2.922222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .034516 .021630 .013702 .008770 .005672 .001994	1y by 10 ⁻³ 1 .859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .012478 .010198 .008384 .005770 .004074 .002952 .002198 .001682 .000970 .000650	2 2.630664 1.875876 1.339802 .958554 687032 .493370 .355026 2.56036 .256036 .256036 .051942 .097472 .071040 .051942 .008064 .020752 .0151500 .008626 .006506 .003770 .002246 .000874 .000874 .000234 .000114	3 2.571680 1.831522 1.306344 933232 667796 478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910 .001122 .000674 .000416 .000416	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360 .00098 .000304 .000174 .000102 .000060 .000088
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.968214 1.818304 1.684654 1.565220 1.458232 1.3662170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658992 .610020 .567488 .530212 .497314 .468092 .407674	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560656 1.342258 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .355910 .316262 .224622 .180438 .145872 .118604 .096934 .059692	7 CHANNEL 3 7.260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676903782773338663178569896490706423312 .365824 .316674238410 .180512 .137372 .105020 .080618 .042268	9.442640 7.010392 5.220614 3.899804 2.922222 2.196538 1.656233 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .071024 .055684 .034516 .021630 .013702 .008770 .005672 .001994 .000292	1y by 10 ⁻³ 1 .859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029596 .029596 .02198 .0101882 .001682 .002198 .001682 .000970 .000650 .000490	2 2 . 630664 1 . 875876 1 . 339802 . 958554 . 687032 . 493370 . 355026 . 185082 . 134132 . 097472 . 071040 . 051942 . 038108 . 028064 . 020752 . 015412 . 011500 . 008626 . 00506 . 003770 . 002246 . 001378 . 000874 . 000574 . 000574 . 000064	3 2.571680 1.831522 1.306344 .933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910 .001122 .000674 .000416 .000138 .000052	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001862 .001360 .000938 .000174 .000102 .000060 .000038
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658902 .610020 .567488 .530212 .497314 .468092 .407674 .360614 .322960 .292156 .244790	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .355910 .316262 .224622 .180438 .145872 .118604 .096934 .059692 .037636 .024194 .015810 .007032	7 .260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312 .365824 .316674 .238410 .180512 .137372 .105020 .080618 .042268 .01228 .006704 .002076	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .071024 .055684 .034516 .021630 .013702 .008770 .005672 .001994 .000744 .000292	1y by 10 ⁻³ 1 .859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .012478 .010198 .008384 .005770 .004074 .002952 .002198 .001682 .000970 .000650	2 2.630664 1.875876 1.339802 .958554 687032 .493370 .355026 2.56036 .256036 .256036 .051942 .097472 .071040 .051942 .008064 .020752 .0151500 .008626 .006506 .003770 .002246 .000874 .000874 .000234 .000114	3 2.571680 1.831522 1.306344 933232 667796 478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910 .001122 .000674 .000416 .000416	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001360 .00098 .000304 .000174 .000102 .000060 .000088
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 4.5 5.6 6.0 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658902 .610020 .567488 .530212 .497314 .468092 .407674 .360614 .322960 .292156 .244790 .210086	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.158768 1.003962 .872824 .761300 .666094 .584516 .514364 .453832 .401424 .355910 .316262 .224622 .180438 .145872 .118604 .096934 .059692 .037636 .024194 .015810 .007032 .003266	7 .260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312 .365824 .316674 .238410 .180512 .137372 .105020 .080618 .042268 .012228 .006704 .002076	9.442640 7.010392 5.220614 3.899804 2.922222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .193426 .193426 .193426 .0013702 .008770 .005672 .001994 .000292 .000122 .000024	1y by 10 ⁻³ 1 .859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .012478 .010198 .008384 .005770 .004074 .002952 .002198 .001682 .000970 .000450 .000490 .000402 .000316 .000276	2 2 . 630664 1 . 875876 1 . 339802 . 958554 . 687032 . 493370 . 355026 . 256036 . 185082 . 134132 . 097472 . 071040 . 051942 . 038108 . 028664 . 020752 . 015412 . 01150 . 006506 . 003770 . 002246 . 000574 . 000574 . 000574 . 000574 . 000574 . 000574 . 000038 . 000014 . 000064 . 000038 . 000016 . 000008	3 2.571680 1.831522 1.306344 933232 .667796 .478700 .343790 .247388 .178392 .128926 .093398 .067832 .049396 .036074 .026426 .019422 .014324 .010602 .007878 .005880 .003318 .001910 .001122 .000674 .000416 .000138 .000052	.292870 .205994 .145106 .102378 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001862 .001360 .000936 .000304 .000174 .000102 .000060 .000038 .000012
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.968214 1.818304 1.684654 1.565220 1.458232 1.362170 1.275708 1.197702 1.127152 1.063194 1.005070 .952126 .903784 .859540 .818958 .781648 .747270 .715522 .686146 .658902 .610020 .567488 .530212 .497314 .468092 .407674 .360614 .322960 .292156 .244790	#ILET 2 4.203022 3.524886 2.969378 2.512392 2.134856 1.821624 1.560636 1.342258 1.003962 .872824 .761300 .6666094 .584516 .514364 .453832 .401424 .355910 .316262 .224622 .180438 .145872 .118604 .096934 .059692 .037636 .024194 .015810 .007032	7 .260414 5.998056 4.972360 4.136046 3.451794 2.890014 2.427216 2.044670 1.727414 1.463452 1.243132 1.058676 .903782 .773338 .663178 .569896 .490706 .423312 .365824 .316674 .238410 .180512 .137372 .105020 .080618 .042268 .01228 .006704 .002076	9.442640 7.010392 5.220614 3.899804 2.92222 2.196538 1.656230 1.252734 .950498 .723422 .552300 .422950 .324882 .250306 .193426 .149914 .116532 .090844 .071024 .055684 .034516 .021630 .013702 .008770 .005672 .001994 .000744 .000292	1y by 10 ⁻³ 1 .859254 .644770 .485938 .367868 .279756 .213738 .164070 .126550 .098086 .076400 .059808 .047056 .037216 .029586 .023646 .019002 .015354 .012478 .010198 .008384 .005770 .004074 .002952 .002198 .001682 .000970 .0004690 .0004090 .0004090 .000402	2 2.630664 1.875876 1.339802 .958554 .687032 .493370 .355026 .256036 .134132 .097472 .C71040 .051942 .038108 .028064 .020752 .015412 .011500 .008626 .006506 .003770 .002246 .001378 .000874 .000574 .000574 .000574 .000064 .000038 .000016	3 2.571680 1.831522 1.306344 933232 667796 478700 343790 247388 178392 128926 093398 067832 049396 036074 026426 019422 014324 010602 007878 005880 003318 001910 001122 000674 000138 000052 000022	.292870 .205994 .145106 .102378 .072358 .072358 .051234 .036348 .025844 .018416 .013156 .009422 .006768 .004876 .003524 .002556 .001862 .001360 .000998 .000736 .000546 .000304 .00012 .000000 .000038

TABLE 12 B. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 5$ degrees

				GEOMETRIC	FACTORS (cm²			
×	1	HILE 2	T CHANNEL 3	4	1	LOL 2	ET CHANNEL 3	4
.1	.167042	1.345864	1.196052	22.183920	1.431004	3.442412	3.192962	10.507180
.2	. 149428	1.091880	.960672	16.465680	1.050352	2.473424	2.291974	7.509926
.3	.134058	.889636	.774216	12.272350	.774284	1.782238	1.649564	5.381400
.4 .5	. 120622 . 108850	.728032 .598436	. 62 6 078 . 508022	9.186136 6.906218	. 573396 . 426698	1.288152 .934140	1.190562 .861878	3.866684 2.786386
. 6	.098520	.494124	.413648	5.215404	.319170	.679864	. 625956	2.014102
.7	. 089434	.409842	.337966	3.956434	.240046	.496738	. 456188	1.460632
.8 .9	.081428 .074360	.341478 .285804	.277082 .227938	3.015144 2.308398	. 181578 . 138186	.364476 .268656	. 333694 . 245056	1.062922 .776334
1.0	.068102	.240280	.188144	1.775468	. 105838	. 199006	.180720	. 569196
1.1	.062554	. 202900	. 155814	1.371850	.081604	. 148200	. 133870	.419012
1.2 1.3	.057624 .053232	. 172084 . 146568	. 129462 . 107910	1.064814 .830208	.063362 .049556	.110996 .083642	. 099634 . 074524	.309756 .229994
1.4	.049312	. 125356	.090226	.650144	.039054	.063438	. 056034	.171548
1.5	.045804	. 107646	.075670	.511330	.031020	.048448	. 042362	.128554
1.6 1.7	.042658 .039832	.092800 .080302	.063648 .053690	.403842 .320248	. 024838 . 020052	.037268 .028884	.032210 .024634	.096800 .073248
1.8	.037286	.069738	.045414	.254958	.016328	.022564	.018954	.055704
1.9	.034986	.060774	.038516	.203748	.013408	.017768	.014674	.042574
2.0 2.2	.032906 .029304	.053138 .041006	.032748 .023846	.163416 .106212	.011108 .007824	.014106 .009114	.011432 .007070	.032706 .019594
2.4	.026316	.032008	.017520	.069914	.005704	.006084	.004484	.011972
2.6	.023816	.025242	.012978	.046554	.004298	.004190	.002914	.007456
2.8 3.0	.021706 .019910	.0200 9 2 .016126	.009684 .007276	.031322 .021272	.003344 .002676	.002968 .002160	.001936 .001314	.004726 .003046
3.5	.016442	.009600	.007276	.008372	.001708	.001068	.000540	.001080
4.0	.013974	.005922	.001886	.003430	.001226	.000584	.000242	.000412
4.5 5.0	.012152	.003756	.000996	.001452 .000630	.000956	.000340 .000208	.000116	.000166
6.0	.010758 .008786	.002436 .001078	.000538 .000162	.000126	.000788 .000598	.000208	.000036	.000070
7.0	.007466	.000502	.000052	.000026	.000496	.000038	.000004	. 000002
8.0	.006524	.000242	.000016	.000006	.000434	.000018	.000002	.000000
9.0 10.0	.005822 .005278	.000120 .000062	.000006 .000002	.000002	.000394 .000368	.000008	.000000	.000000

					FACTORS (cm²			
			NIDIRECTIONAL ET CHANNEL		FACTORS (cm ² iply by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
N .1	1 1.913036	HILI	ET CHANNEL	mu1t:	iply by 10 ⁻³	LOLET		4 4.900592
.1	1.913036 1.771042	HILI 2 3.973142 3.356838	3 6.792010 5.648630	mult 4 10.379930 7.945110	1 .883420 .665600	2 3.035984 2.192348	3.011202 2.172130	4.900592 3.502854
.1 .2 .3	1.913036 1.771042 1.644248	HIL1 2 3.973142 3.356838 2.848680	6.792010 5.648630 4.713566	mult: 4 10.379930 7.945110 6.108850	.883420 .665600 .503950	LOLET 2 3.035984 2.192348 1.587602	3.011202 2.172130 1.570954	4.900592 3.502854 2.510188
.1 .2 .3 .4	1.913036 1.771042	HILI 2 3.973142 3.356838	3 6.792010 5.648630	mult 4 10.379930 7.945110	1 .883420 .665600	2 3.035984 2.192348	3.011202 2.172130	4.900592 3.502854
.1 .2 .3 .4 .5	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356	3.973142 3.356838 2.848680 2.847892 2.077966 1.785720	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624	.883420 .665600 .503950 .383496 .293360 .225618	LOLET 2 3.035984 2.192348 1.587602 1.153160 .840340 .614542	3.011202 2.172130 1.570954 1.139326 .828740 .604728	4.900592 3.502854 2.510188 1.803740 1.299874
.1 .2 .3 .4 .5 .6	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606	3 6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302	.883420 .665600 .503950 .383496 .293360 .225518 .174476	LOLET 2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126	3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478
.1 .2 .3 .4 .5 .6	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692	LOLET 2 3.035984 2.192348 1.587602 1.153160 .840340 .614542	3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286	mult: 4 10.379930 7.945110 6.108850 4.718012 2.851624 2.231302 1.753218 1.383168 1.383168 1.995522 .870998	.883420 .665600 .503950 .383496 .293360 .225518 .174476 .135692 .106144 .083522	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476	## 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 870998 695026	.883420 .665600 .503950 .383496 .293360 .223518 .174476 .135692 .106144 .083522 .066120	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948	3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 1.195544
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182	3.973142 3.356838 2.848689 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138	## 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.213302 1.753218 1.383168 1.095522 .870998 .695026 .556558 .447180	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .042222	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.19562 1.011298 .884898 .776720 .683792 .603674 .534362	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158	## 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.383168 1.395522 870998 695026 556568 447180 .360456	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .815956 .779844	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194	3 6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 .870998 .695026 .556558 .447180 .360456 .291442	.883420 .665500 .503950 .383496 .293360 .225518 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662	3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992	3.011202 2.172130 1.570954 1.139326 .828740 .604728 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 .746522 .715710	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.998910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702	## 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 .870998 .695026 .556558 .447180 .360456 .291442 .236334 .192180	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .04222 .034064 .027662 .022616 .018614	2 3.035984 2.192348 1.587602 1.1587602 1.1587602 614542 451126 332526 246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .0224792 .019118	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .14566 .107346 .080072 .060008 .045188 .034196
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 .746522 .715710 .687160	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .683794 .534362 .474194 .421800 .376034 .335940	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 4.435702 .378188	## 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 870998 695026 5.556558 447180 360456 291442 2363144 192180 156690	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662 .022616 .018614	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .079238 .045372 .034992 .021272 .016776	3 3.011202 2.172130 1.570954 1.139326 828740 604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .815956 .779844 .746522 .715710 .687160	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.546066 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720	3 6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 .328780	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 870998 695026 .556558 447180 .360456 .291442 .236334 .192180 .156690 .128076	.883420 .665500 .503950 .383496 .293360 .225518 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662 .022616 .018614 .015426	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .13934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .019880 .015272
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720 .242302 .196544	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.998910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 .328780 .249572 .190454	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.363168 1.095522 870998 .695026 .556558 .447180 .360456 .291442 .236334 .192180 .156690 .128076 .086174	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .04222 .034064 .027662 .022616 .012874 .010820 .007804	2 3.035984 2.192348 1.587602 1.1587602 1.583160 .840340 .614542 .451126 .335266 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572 .007174	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .019880 .015272 .009592
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6	1.913036 1.771042 1.644248 1.530754 1.428930 1.37356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .300720 .242302 .242302 .196544 .160380	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .581236 .581236 .581236 .582794 .435702 .378188 .328780 .249572 .190454 .146032	## 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 .870998 .695026 .556558 .447180 .360456 .291442 .236334 .236334 .156690 .128076 .086174 .058484 .040002	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662 .022616 .018614 .015426 .012874 .010820 .007804	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .015272 .009150 .005592 .003482
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720 .242302 .196544	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.998910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 .328780 .249572 .190454	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.363168 1.095522 870998 .695026 .556558 .447180 .360456 .291442 .236334 .192180 .156690 .128076 .086174	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .04222 .034064 .027662 .022616 .012874 .010820 .007804	2 3.035984 2.192348 1.587602 1.1587602 1.583160 .840340 .614542 .451126 .335266 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572 .007174	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .019880 .015272 .009592
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.6 3.5 3.5 3.5 3.5 3.5 3.5 3.5 4.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .895882 .855182 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438 .534930 .502642 .473912 .414318	3.973142 3.356838 2.848680 2.427892 2.427892 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720 .242302 .196544 .160380 .131576 .108466 .068152	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.998910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 .328780 .249572 .190454 .146032 .112448 .086920 .046324	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.363168 1.095522 870998 .695026 .556558 .447180 .360456 .291442 .236334 .192180 .156690 .128076 .086174 .058484 .040002 .027552 .019098	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .04222 .034064 .027662 .022616 .012874 .010820 .007804 .007804 .003460 .003460	2 3.035984 2.192348 1.587602 1.1587602 1.583160 .840340 .614542 .451126 .335266 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964 .002808 .001006	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .0755922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962 .001968 .001334 .000546	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .015272 .0015272 .0015272 .002508 .001424 .000506
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.0 3.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.913036 1.771042 1.644248 1.530754 1.428930 1.37356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 746522 .715710 .687160 .660652 .612998 .571438 .534930 .502642 .473912 .414318 .367716	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720 .242302 .196544 .160380 .131576 .108466 .068152 .043762	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 .328780 .249572 .190454 .146032 .112448 .086920 .046324	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.995026 .556558 .447180 .236334 .192180 .156690 .128076 .086174 .058484 .04002 .027552 .019098 .007828 .007302	.883420 .665500 .503950 .383496 .293360 .225518 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662 .022616 .018614 .015426 .012874 .010820 .007804 .005790 .004416 .003760 .001774 .001268	3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964 .002806 .002038 .001006	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962 .001968 .001334 .000546	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .015272 .009150 .005592 .003482 .002208 .001424 .000506 .000192
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438 .534930 .502642 .473912 .414318 .367716 .330296	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .3360	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.999332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 328780 .249572 .190454 .146032 .112448 .086920 .046324 .025112 .013800	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 87098 695026 .556558 447180 .360456 .291442 .236334 .192180 .156690 .128076 .086174 .058484 .040002 .027552 .019098 .007828 .003302 .001426	.883420 .665500 .503950 .383496 .293360 .225518 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662 .022616 .012874 .010820 .007804 .005790 .004416 .003460 .002780 .002780	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964 .002806 .002038 .001006	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962 .001968 .001334 .000546 .000244	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .015272 .0015272 .0015272 .002508 .001424 .000506
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 5.6 3.5 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6	1.913036 1.771042 1.644248 1.530754 1.428930 1.337356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .8555182 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438 .534930 .502642 .473912 .44318 .367716 .330296 .299588	3.973142 3.356838 2.848680 2.427892 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720 .242302 .196544 .160380 .131576 .108466 .068152 .043762 .028602 .018970 .008648	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.998910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .581236 .581236 .581236 .581236 .1328780 .249572 .190454 .146032 .112448 .086920 .046324 .025112 .013800 .007670 .002434	## 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.363168 1.095522 870998 .695026 .556558 .447180 .360456 .291442 .236334 .192180 .156690 .128076 .086174 .058484 .040002 .027552 .019098 .00302 .001426 .000128	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .04222 .034064 .027662 .022616 .012874 .010820 .007804 .005790 .004416 .003460 .002780 .001774 .001268	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964 .00288 .001006 .000548 .000194	3 3.011202 2.172130 1.570954 1.139326 828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .075922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962 .001968 .001334 .000146 .0000546 .000058	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .015272 .009150 .005592 .003482 .002208 .001424 .000506 .000192 .000078
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.913036 1.771042 1.644248 1.530754 1.428930 1.37356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438 .534930 .502642 .473912 .414318 .367716 .330296 .299588 .252178	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720 .242302 .196544 .160380 .131576 .108466 .068152 .043762 .028602 .018970 .008648	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.599332 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 .328780 .249572 .190454 .112448 .086920 .046324 .0007670 .002434 .000794	mult: 4 10.379930 7.945110 6.108850 4.718912 3.659992 2.851624 2.231302 1.753218 1.383168 1.995522 .870998 .695026 .556558 .447180 .360456 .291442 .236334 .192180 .156690 .128076 .086174 .058484 .04002 .027552 .019098 .007828 .003302 .001426 .000628	.883420 .665500 .503950 .383496 .293360 .225518 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662 .022616 .018614 .015426 .012874 .010820 .007804 .007804 .007804 .007790 .004416 .003460 .002780 .001774 .001268 .000984 .000984	3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .116934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964 .002806 .002088 .000318 .000194	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962 .001968 .000344 .000244 .000116 .000058	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .019880 .015272 .009150 .005592 .003482 .002208 .001424 .000506 .000192 .000078 .000078
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6 2.8 3.5 6 6 7 7 8 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1.913036 1.771042 1.644248 1.530754 1.428930 1.37356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438 .534930 .502642 .473912 .414318 .367716 .330296 .299588 .252178 .217274 .190508	3.973142 3.356838 2.848680 2.427892 2.427892 2.077966 1.785720 1.540606 1.334160 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .335940 .300720 .242302 .196544 .160380 .131576 .108466 .068152 .043762 .028602 .018970 .008648	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.998910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .581236 .581236 .581236 .581236 .1328780 .249572 .190454 .146032 .112448 .086920 .046324 .025112 .013800 .007670 .002434	## 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.363168 1.095522 870998 .695026 .556558 .447180 .360456 .291442 .236334 .192180 .156690 .128076 .086174 .058484 .040002 .027552 .019098 .00302 .001426 .000128	.883420 .665600 .503950 .383496 .293360 .225618 .174476 .135692 .106144 .083522 .066120 .052670 .04222 .034064 .027662 .022616 .012874 .010820 .007804 .005790 .004416 .003460 .002780 .001774 .001268	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964 .00288 .001006 .000548 .000194	3 3.011202 2.172130 1.570954 1.139326 828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .075922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962 .001968 .001334 .000146 .0000546 .000058	4.900592 3.502854 2.510188 1.803740 1.299874 .939650 .681478 .495950 .362252 .265614 .195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .015272 .009150 .005592 .003482 .002208 .001424 .000506 .000192 .000078
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.913036 1.771042 1.644248 1.530754 1.428930 1.37356 1.254800 1.180200 1.112624 1.051266 .995420 .944470 .897882 .855182 .815956 .779844 .746522 .715710 .687160 .660652 .612998 .571438 .534930 .502642 .473912 .414318 .367716 .330296 .299588 .252178	3.973142 3.356838 2.848680 2.427892 2.077966 1.785720 1.540606 1.159562 1.011298 .884898 .776720 .683792 .603674 .534362 .474194 .421800 .376034 .3360	6.792010 5.648630 4.713566 3.946210 3.314320 2.792210 2.359362 1.698910 1.447432 1.236286 1.058476 .908308 .781138 .673158 .581236 .502794 .435702 .378188 .328780 .249572 .190454 .146032 .112448 .086920 .046324 .025112 .013800 .007670 .002434 .000794 .000264	mult: 4 10.379930 7.945110 6.108850 4.718012 3.659992 2.851624 2.231302 1.753218 1.383168 1.095522 87098 695026 .556558 447180 .360456 .291442 .236334 .192180 .15690 .128076 .086174 .058484 .04002 .007522 .019098 .007828 .003302 .001426 .000628 .000128 .000028	.883420 .665500 .503950 .383496 .293360 .225518 .174476 .135692 .106144 .083522 .066120 .052670 .042222 .034064 .027662 .022616 .012874 .010820 .005290 .007804 .005790 .004416 .003460 .002780 .002780 .001774 .001268 .000984 .000810 .000612 .000508 .000446	2 3.035984 2.192348 1.587602 1.153160 .840340 .614542 .451126 .332526 .246190 .183140 .136934 .102948 .077850 .059238 .045372 .034992 .027180 .021272 .016776 .013334 .008626 .005760 .003964 .002038 .001006 .000548 .000194 .000086 .00016	3 3.011202 2.172130 1.570954 1.139326 .828740 .604728 .442756 .325330 .239960 .177708 .132170 .098746 .074126 .055922 .042408 .032336 .024792 .019118 .014830 .011572 .007174 .004556 .002962 .001968 .001334 .000546 .000044 .000058 .000004	4.900592 3.502854 2.510188 1.803740 1.299874 939650 681478 495950 .362252 265614 195544 .144566 .107346 .080072 .060008 .045188 .034196 .026008 .019880 .015272 .009150 .005592 .003482 .002208 .001424 .000506 .000192 .000006

TABLE 12 C. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda=10$ degrees

				L GEOMETRIC	FACTORS (cm²			
ĸ	1	HILI 2	ET CHANNEL 3	4	1	LOL1 2	ET CHANNEL 3	4
		_				_		
.1 .2	. 163312 . 146528	1.291006 1.058490	1.128434 .915776	23.230 80 0 17.7621 6 0	1.542602 1.135630	4.371354 3.162174	4.101120 2.963356	27.790340 19.760250
.3	. 131854	.871590	.745648	13.633910	.839982	2.295196	2.147866	14.080020
.4	.118998	.720816	. 609128	10.506210	. 624446	1.671984	1.561932	10.055250
.5 .5	.107714 .097790	. 598738 . 499522	.499248 .410534	8.127846 6.312568	. 466718 . 350832	1.222774 .898038	1.139834 .834918	7.198312 5.166448
.7	.089042	.418574	.338684	4.921868	.265332	. 662542	.614000	3.718406
.8 .9	.081318 .074482	.352272 .297750	.280312 .232738	3.852398	.201962 .154778	.491190 .366062	.453438	2.684160 1.943722
1.0	.068418	.252736	.193842	3.026860 2.387196	.119468	.274334	.336354 .250674	1.412292
1.1	.063028	.215420	. 161940	1.889684	.092908	.206814	. 187738	1.029844
1.2 1.3	.058228 .053942	. 184360 . 158404	.135694 .114034	1.501282 1.196934	.072820 .057542	. 156896 . 119816	. 141328 . 106960	. 753824 . 554006
1.4	.050106	. 136626	.096102	.957570	. 045852	.092136	.081400	.408878
1.5	.046666	.118278	.081210	.768638	.036854	.071364	.062302	.303110
1.6 1.7	.043574 .040790	. 102760 . 089586	.068810 .058452	. 618980 . 500018	. 029884 . 024450	. 055688 . 043790	.0479 64 .037146	.225744 .168934
1.8	.038276	.078356	.649774	.405138	.020184	.034702	.028942	. 127050
1.9	.036000	.068752	.042486	. 329212	.016814	.027718	.022686	.096038
2.0 2.2	.033936 .030352	.060504 .047256	.036346 .026774	. 268260 . 179528	.014134 .010252	. 022314 . 014802	.017 89 2 .011328	.072974 .042806
2.4	.027364	.037290	.019878	. 121320	.007694	.010116	.007342	.025648
2.6	.024852	.029702	.014866	. 082714	.005958	.007110	.004864	.015692
2.8 3.0	.022724 .020 9 06	. 023854 . 019302	.011190 .008474	.056846 .039354	.004748 .003882	.005126 .003780	.003290 .002266	.009794 .006230
3.5	.017372	.011688	.004326	.016126	.002572	.001912	.000956	.002158
4.0	.014838	.007310	.002266	.006824	.001884	.001054	.000436	.000812
4.5 5.0	.012952 .011502	.004688 .003068	.001214 .000660	.002960 .001310	.001478 .001218	.000618 .000376	.000210 .000106	.000324 .000134
6.0	.009434	.001376	.000204	.000268	.000910	.000152	.000028	.000026
7.0	.008040	.000646	.000066	.000058	.000738	.000066	.000008	.000006
8.0 9.0	.007038 .006288	.000312 .000156	.000022 .000008	.000012 .000002	.000632 .000562	.000030 .000014	.000002	.000002
10.0	.005704	.000078	.000002	. 000000	.000512	.000008	.000000	.000000
		DOSE ON	NIDIRECTIONA	L GEOMETRIC	FACTORS (cm²	HeV)		
_		HILI	T CHANNEL	multi	ply by 10 ⁻³	LOLE	T CHANNEL	
×	1						T CHANNEL 3	4
N .1	1 1.860462	HILI	T CHANNEL	multi	ply by 10 ⁻³	LOLE: 2 3.443742		4
.1 .2	1.860462 1.725694	HILI 2 3.765722 3.207206	6.311974 5.289272	multi 4 9.437796 7.423510	905094 .684402	LOLE 2 3.443742 2.509882	3 3.437228 2.502556	14.047240 9.990624
.1 .2 .3	1.860462 1.725694 1.605178	HILI 2 3.765722 3.207206 2.743130	6.311974 5.289272 4.446242	multi 4 9.437796 7.423510 5.864028	905094 .905094 .684402 .520310	LOLET 2 3.443742 2.509882 1.835612	3 3.437228 2.502556 1.827842	14.047240 9.990624 7.119392
.1 .2	1.860462 1.725694	3.765722 3.207206 2.743130 2.355904 2.031436	6.311974 5.289272 4.446242 3.749020 3.170492	multi 4 9.437796 7.423510	905094 .684402 .520310 .397772 .305852	3.443742 2.509882 1.835612 1.347478 .993088	3 . 437228 2 . 502556 1 . 827842 1 . 339534 . 985178	14.047240 9.990624
.1 .2 .3 .4 .5	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424	6.311974 5.289272 4.446242 3.749020 3.170492 2.688894	multi 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824	905094 .905094 .684402 .520310 .397772 .305852 .236578	3.443742 2.509882 1.835612 1.347478 .993C38 .735024	3.437228 2.502556 1.827842 1.339534 .985178 .727290	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458
.1 .2 .3 .4 .5 .6	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732	NILI 2 3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750	6.311974 5.289272 4.446242 3.749020 3.170492 2.688894 2.286720	multi 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006	905094 .684402 .520310 .397772 .305852 .236578 .184120	LOLET 2 3.443742 2.509882 1.835612 1.347478 .993C38 .735024 .546498	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654
.1 .2 .3 .4 .5 .6 .7 .8	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380	6.311974 5.289272 4.446242 3.749020 3.170492 2.688894 2.286720 1.949822 1.666758	multi 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200	3.443742 2.509882 1.835612 1.347478 .993C88 .735024 .546498 .408302 .306630	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220	multi 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200	3.443742 2.509882 1.835612 1.347478 .993C88 .735024 .546498 .408302 .306630 .231538	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 979706 .710962
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530	6.311974 5.289272 4.446242 3.749020 3.170492 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .072060	3.443742 2.509882 1.835612 1.347478 .993028 .735024 .546498 .408302 .306630 .231538 .175852	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 979706 710962 .517678
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.860462 1.725694 1.605178 1.497148 1.40084 1.312660 1.2373732 1.162302 1.097504 1.038586 .984882 .935820 .890894	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030	6.311974 5.289272 4.446242 3.749020 3.170492 2.6886720 1.949822 1.666758 1.428220 1.226638 1.055814 910672	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .072060 .057968 .046962	2 3.443742 2.509882 1.835612 1.347478 .993088 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220	14.047240 9.99624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.62638 1.055814 .910672 .787034	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .072060 .057968 .046962 .038316	3.443742 2.509882 1.835612 1.347478 993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .710962 .517678 .378292 .277490 .204366
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.098586 984882 935820 .890894 .849660 .811732	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190	6.311974 5.289272 4.446242 3.749020 3.170492 2.668894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055814 .910672 .787034 .681458	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .057968 .046962 .038316 .031488	3.443742 2.509882 1.835612 1.347478 .993028 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .128862 .098220 .075260 .057982	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.860462 1.725694 1.605178 1.497148 1.40084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768	3.765722 3.207206 2.743130 2.355904 2.051436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055814 910672 .787034 .681458 591094 .513576	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732	905094 .684402 .520310 .397772 .305852 .236578 .184120 .113670 .090200 .072060 .072060 .057968 .046962 .038316 .031488 .026064 .021734	3.443742 2.509882 1.835612 1.347478 .993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057582 .044918	14.047240 9.99624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .443504 .397292	6.311974 5.289272 4.446242 3.749020 3.170492 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055814 .910672 .787034 .681458 .591094 .513576 .446934	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .143670 .090200 .072060 .057968 .046962 .038316 .031488 .026068 .021734 .018256	3.443742 2.509882 1.835612 1.347478 993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .0975260 .0975260 .057982 .044918 .034992 .027416	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.860462 1.725694 1.605178 1.497148 1.40084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768	3.765722 3.207206 2.743130 2.355904 2.051436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055814 910672 .787034 .681458 591094 .513576	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732	905094 .684402 .520310 .397772 .305852 .236578 .184120 .113670 .090200 .072060 .072060 .057968 .046962 .038316 .031488 .026064 .021734	3.443742 2.509882 1.835612 1.347478 .993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057582 .044918	14.047240 9.99624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.860462 1.725694 1.605178 1.497148 1.40084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.05581 910672 .787034 .881458 .591094 .513576 .446934 .389528 .39980 .260020	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898 .215746 .179444 .124808	905094 .684402 .520310 .397772 .305852 .236578 .184120 .113670 .090200 .072060 .072060 .057968 .046962 .038316 .031488 .021734 .018256 .01846 .018256 .013166 .009772	3.443742 2.509882 1.835612 1.347478 .993C38 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .024750	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057982 .044918 .034992 .027416 .021602 .010930	14.047240 9.99624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .710962 .517678 3.78292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .320648 .260590 .213094	6.311974 5.289272 4.446242 3.749022 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055674 910672 -787034 681458 -591094 5.13576 -446934 389528 3399528 3399528	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898 .215746 .179444 .124808 .087378	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .144200 .090200 .072060 .057968 .046962 .038316 .031488 .026064 .021734 .018256 .015448 .013166 .009772 .007456	3.443742 2.509882 1.835612 1.347478 993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .020012 .013372 .009192	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .0975260 .075260 .057982 .044918 .024918 .027416 .021602 .017116 .010930 .007132	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.860462 1.725694 1.605178 1.497148 1.40084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.05581 910672 .787034 .881458 .591094 .513576 .446934 .389528 .39980 .260020	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898 .215746 .179444 .124808	905094 .684402 .520310 .397772 .305852 .236578 .184120 .113670 .090200 .072060 .072060 .057968 .046962 .038316 .031488 .021734 .018256 .01846 .018256 .013166 .009772	3.443742 2.509882 1.835612 1.347478 .993C38 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .024750	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057982 .044918 .034992 .027416 .021602 .010930	14.047240 9.99624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .710962 .517678 3.78292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	1.860462 1.725694 1.605178 1.497148 1.40084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970 .538236 .506572 .478340	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .320648 .260590 .213094 .175218 .144786 .120172	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.94982 1.666578 1.428220 1.226638 1.05581 1.910672 .787034 .881458 .5910672 .787034 .891458 .591094 .513576 .446934 .389528 .339980 .260020 .199832 .154244 .119522	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.020938 833074 681736 559410 460220 379542 313732 259898 215746 179444 124808 087378 061532 043556	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .072060 .072060 .057968 .046962 .038316 .031488 .021734 .018256 .015488 .015466 .015466 .009772 .007456 .005862 .004692 .004692 .004692	3.443742 2.509882 1.835612 1.347478 .993C38 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .02012 .013372 .009192 .006486 .004690 .003466	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057582 .044918 .034992 .027416 .021602 .017116 .010930 .007132 .004750 .004750	14.047240 9.99624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918 .012456 .007574 .004702
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.098586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970 .538236 .506572 .478340 .419624	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .213094 .175218 .144786 .120172 .076690	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055814 910672 .787034 .681458 .591094 5.13576 .446934 .389528 .3399528 .339528 .339528 .339528	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898 .215746 .179444 .124808 .087378 .061532 .043556 .030978	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .144200 .057968 .046962 .038316 .031488 .026064 .021734 .018256 .015448 .013166 .009772 .007456 .005842 .004692 .003854 .003854	3.443742 2.509882 1.835612 1.347478 993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .020012 .013372 .009192 .006486 .004690 .003466	3 3.437228 2.502556 1.827842 1.339534 .985178 .727299 .539042 .401188 .299898 .225210 .169934 .128862 .095220 .075260 .057982 .044918 .021602 .017116 .010930 .007132 .004750 .003226 .000244	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918 .002976 .004702
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970 .538236 .506572 .478340 .419624 .373536 .336412	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .320648 .260590 .213094 .175218 .144786 .120172	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.94982 1.666578 1.428220 1.226638 1.05581 1.910672 .787034 .881458 .5910672 .787034 .891458 .591094 .513576 .446934 .389528 .339980 .260020 .199832 .154244 .119522	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.020938 833074 681736 559410 460220 379542 313732 259898 215746 179444 124808 087378 061532 043556	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .072060 .072060 .057968 .046962 .038316 .031488 .021734 .018256 .015488 .015466 .015466 .009772 .007456 .005862 .004692 .004692 .004692	3.443742 2.509882 1.835612 1.347478 .993C38 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .02012 .013372 .009192 .006486 .004690 .003466	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057582 .044918 .034992 .027416 .021602 .017116 .010930 .007132 .004750 .004750	14.047240 9.99624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918 .012456 .007574 .004702
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.0 3.5 4.5 4.5 5.6 6.7	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970 .536572 .478340 .419624 .373536 .336412 .305860	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .213094 1.75218 1.175218 1.175218 1.175218 1.175218 1.175218	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.05588 1.05581 4.910672 .787034 .881458 .591094 .513576 .446934 .389528 .339980 .260020 .199832 .154244 .119522 .092942 .050220	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.524948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898 .215746 .179444 .124808 .087378 .061532 .043556 .030978 .013446	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .072060 .057968 .046962 .038316 .031488 .021734 .018256 .015448 .0131486 .015448 .011666 .009772 .007456 .005864 .002564 .001878 .001472	3.443742 2.509882 1.835612 1.347478 .993C38 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .020012 .013372 .009192 .006486 .004690 .003466 .001758 .000970 .000568	3 3.437228 2.502556 1.827842 1.339534 .985178 .72729 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057982 .027416 .021602 .0217116 .010930 .007132 .004750 .003226 .002228 .000944 .000430 .000208	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918 .012456 .007574 .004702 .002976 .001022 .000382 .000152
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970 .538236 .506572 .478340 .419624 .373536 .336412 .305860 .258520	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .213094 .175218 .144786 .120172 .076690 .049920 .033018 .022128	6.311974 5.289272 4.446242 3.749022 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055678 1.428220 1.226638 1.055678 2.681458 5.91094 5.13576 4.46934 3.89528 3.399528 3.399528 3.39528	multij 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.524948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898 .215746 .179444 .124808 .087378 .061532 .043556 .030978 .013446 .005956 .002682 .001224	905094 684402 520310 397772 305852 236578 184120 144200 114670 090200 072060 057968 046962 038316 031488 026064 021734 018256 015448 013166 009772 007456 005842 004692 003854 001878 001472 001212	3.443742 2.509882 1.835612 1.347478 993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .020012 .013372 .009192 .006486 .004690 .003466 .001758 .000970 .000568	3 3.437228 2.502556 1.827842 1.339534 .985178 .727290 .539042 .401188 .299898 .225210 .169934 .128862 .0975260 .057982 .044918 .034992 .027416 .021602 .017116 .010930 .007132 .004750 .003226 .000228 .000944 .000430 .000028	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918 .012456 .007574 .004702 .002976 .001022 .000382 .000152
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.0 3.5 4.5 4.5 5.6 6.7	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970 .536572 .478340 .419624 .373536 .336412 .305860	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .213094 1.75218 1.175218 1.175218 1.175218 1.175218 1.175218	6.311974 5.289272 4.446242 3.74902 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.05588 1.05581 4.910672 .787034 .881458 .591094 .513576 .446934 .389528 .339980 .260020 .199832 .154244 .119522 .092942 .050220	multi; 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.524948 1.020938 .833074 .681736 .559410 .460220 .379542 .313732 .259898 .215746 .179444 .124808 .087378 .061532 .043556 .030978 .013446	905094 .684402 .520310 .397772 .305852 .236578 .184120 .144200 .113670 .090200 .072060 .057968 .046962 .038316 .031488 .021734 .018256 .015448 .0131486 .015448 .011666 .009772 .007456 .005864 .002564 .001878 .001472	3.443742 2.509882 1.835612 1.347478 .993C38 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .020012 .013372 .009192 .006486 .004690 .003466 .001758 .000970 .000568	3 3.437228 2.502556 1.827842 1.339534 .985178 .72729 .539042 .401188 .299898 .225210 .169934 .128862 .098220 .075260 .057982 .027416 .021602 .0217116 .010930 .007132 .004750 .003226 .002228 .000944 .000430 .000208	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918 .012456 .007574 .004702 .002976 .001022 .000382 .000152
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0 7.0	1.860462 1.725694 1.605178 1.497148 1.400084 1.312660 1.233732 1.162302 1.097504 1.038586 .984882 .935820 .890894 .849660 .811732 .776768 .744464 .714556 .686808 .661014 .614568 .573970 .538236 .506572 .478340 .419624 .373536 .336412 .305860 .258520 .223514	3.765722 3.207206 2.743130 2.355904 2.031436 1.758424 1.527750 1.332060 1.165380 1.022856 .900530 .795142 .704030 .624990 .556190 .496116 .443504 .397292 .356590 .213094 .175218 .144786 .120172 .076690 .049920 .033018 .022128 .010258	6.311974 5.289272 4.446242 3.749020 3.170492 2.688894 2.286720 1.949822 1.666758 1.428220 1.226638 1.055814 .910672 .787034 .681458 .591094 .513576 .446934 .389528 .339980 .260020 .199832 .154244 .119522 .0902942 .050220 .0027564 .015320	multip 4 9.437796 7.423510 5.864028 4.651408 3.704450 2.961824 2.377006 1.914584 1.547492 1.254948 1.020938 .833074 .681736 .559410 .460220 .379542 .259898 .215746 .179444 .124808 .087378 .061532 .043556 .030978 .013446 .005956 .002682 .001224 .000262	919 by 10 ⁻³ 1 -905094 -684402 -520310 -397772 -305852 -236578 -184120 -144200 -113670 -090200 -072060 -057968 -046962 -038316 -031488 -026064 -021734 -018256 -015448 -013166 -009772 -007456 -005842 -004692	3.443742 2.509882 1.835612 1.347478 .993C88 .735024 .546498 .408302 .306630 .231538 .175852 .134374 .103336 .080000 .062360 .048956 .038714 .030840 .024750 .020012 .013372 .009192 .006486 .004690 .004690 .001758 .000970 .000568 .000140 .000162	3 3.437228 2.502556 1.827842 1.339534 .985178 .727299 .539042 .401188 .299898 .225210 .169934 .128862 .0975260 .057982 .044918 .034920 .07716 .010930 .007132 .004750 .003226 .000228 .000404 .000430 .000208 .000104 .000028	14.047240 9.990624 7.119392 5.083968 3.638626 2.610458 1.877654 1.354296 .979706 .710962 .517678 .378292 .277490 .204366 .151150 .112288 .083806 .062850 .047368 .035884 .020918 .012456 .007574 .004702 .002976 .001022 .000382 .000152 .000064

TABLE 12 D. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 15$ degrees

				L GEOMETRIC	FACTORS (cm²			
N	1	MILE 2	T CHAMNEL 3	4	1	LOLI	T CHANNEL 3	4
.1	.160040	1.230406	1.061732	21.767900	1.649086	5.260362	4.986852	47.063800
.2	.144016	1.020216	.871106	17.016980	1.216910	3.821568	3.618516	33.655880
.3 .4	.129976 .117650	.849394 .710076	.716888 .5917 6 2	13.353280 10.517110	. 902530 . 672986	2.786458 2.039696	2.634388 1.924704	24.116840 17.318600
. 5	. 106808	. 596046	.489944	8.313194	. 504722	1.499354	1.411486	12.464900
.6 .7	.097250 .088810	.502370 .425132	.406850 .338840	6.594232 5.248558	. 380862 . 289280	1.107134 .821466	1.039228 .768360	8.992912 6.504350
.8	.081338	.361208	.283012	4.191334	.221244	.612650	.570602	4.716898
.9	.074710	.308104	.237050	3.357804	. 170448	.459424	.425710	3.430198
1.0 1.1	.068820 .063570	.263822 .226756	.199102 .167680	2.698378 2.174948	. 132326 . 103556	.346524 .262976	.319154 .240480	2.501814 1.830326
1.2	.058884	. 195614	.141588	1.758116	.081718	.200862	. 182152	1.343402
1.3	.054692	. 169350	.119860	1.425120	.065044	.154454	. 138720	.989360
1.4 1.5	.050930 .047550	.147118 .128228	.101718 .086528	1.158288 .943840	.052232 .042324	.119602 .093286	. 106236 . 081822	.731210 .542420
1.6	.044504	.112122	.073776	.770994	.034610	.073300	.063384	.403926
1.7 1.8	.041754 .039264	.098342 .086508	.063044 .053990	. 631296 . 518088	.028562 .023790	.058030 .046294	.049390 .038714	.301998 .226726
1.9	.037008	.076312	.046330	. 426108	.019994	.037212	.030524	.170944
2.0	.034956	.067500	.039836	. 351192	.016956	.030140	.024206	. 129450
2.2 2.4	.031382 .028388	.053210 .042336	.029616 .022172	. 239976 . 165190	.012516 .009544	.020216 .013952	.015490 .010134	.075246 .044556
2.6	.025864	.033966	.016706	.114480	.007498	. 009884	.006768	.026882
2.8	.023714	.027456	.012660	.079828	.006050	.007172	.004608	.016522
3.0 3.5	.021872 .018270	.022346 .013694	.009644 .004986	. 055980 . 023560	.005000 .003374	.005314 .002710	.003192 .001360	.010342 .003448
4.0	.015668	.008644	.002640	.010178	.002494	.001500	.000624	.001258
4.5 5.0	.013720 .012214	.005584 .003674	.001424 .000780	. 004490 . 002016	.00196 <i>2</i> .001614	.000878 .000536	.000302 .000152	.000490 .000202
6.0	.010054	.001660	.000780	.002010	.001114	.000336	.000132	.000238
7.0	.008586	.000782	.000078	.000092	.000962	.000094	.000012	.000008
8.0 9.0	.007530 .006734	.000380 881000.	.000026 .000008	. 000020 . 000004	.000816 .000716	.000044 .000020	.000004	.000002
10.0	.006112	.000096	.000004	.000002	.000646	.000010	.000000	.000000
			NIDIRECTIONA T CHANNEL		FACTORS (cm² oly by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
.1	1.813696	HILE 2 3.542002	T CHANNEL 3 5.841606	multi; 4 8.360858	oly by 10 ^{.3} l .926702	LOLE1 2 3.827532	3 3.845378	21.893880
.1 .2	1.813696 1.685562	HILE 2 3.542002 3.043180	T CHANNEL 3 5.841606 4.935184	multi; 4 8.360858 6.690768	oly by 10 ⁻³ 1 .926702 .702998	2 3.827532 2.809736	3 3.845378 2.820082	21.893880 15.743710
.1 .2 .3	1.813696	HILE 2 3.542002	T CHANNEL 3 5.841606	multi; 4 8.360858	. 926702 . 702998 . 536376	LOLE1 2 3.827532	3 3.845378	21.893880
.1 .2 .3 .4	1.813696 1.685562 1.570800 1.467770 1.375052	3.542002 3.043180 2.624886 2.272716 1.975030	3 5.841606 4.935184 4.181242 3.552196 3.025766	# 8.360858 6.690768 5.375654 4.335560 3.509472	1 .926702 .702998 .536376 .411704 .317976	2 3.827532 2.809736 2.070506 1.531996 1.138464	3.845378 2.820082 2.075390 1.532958 1.136660	21.893880 15.743710 11.343920 8.190838 5.927104
.1 .2 .3 .4 .5	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402	T CHANNEL 3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910	# 8.360858 6.690768 5.375654 4.335560 3.59472 2.850668	926702 -702998 -536376 -411704 -317976 -247166	2 3.827532 2.809736 2.070506 1.531996 1.138464 .849914	3.845378 2.820082 2.075390 1.532958 1.135660 .846212	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802
.1 .2 .3 .4	1.813696 1.685562 1.570800 1.467770 1.375052	3.542002 3.043180 2.624886 2.272716 1.975030	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.897982	# 8.360858 6.690768 5.375654 4.335560 3.509472	1 .926702 .702998 .536376 .411704 .317976	2 3.827532 2.809736 2.070506 1.531996 1.138464	3.845378 2.820082 2.075390 1.532958 1.136660	21.893880 15.743710 11.343920 8.190838 5.927104
.1 .2 .3 .4 .5 .6 .7 .8	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.897982 1.632216	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324	1 .926702 .702998 .536376 .411704 .317976 .247166 .152356 .152356	2 3.827532 2.809736 2.070505 1.531995 1.138464 .849914 .637594 .480778 .364500	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .63263 475042 .358334	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.664388
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250	HILE 2 3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132	3 5.841606 4.935184 4.181242 3.525766 2.583910 2.211962 1.697982 1.632216 1.406652	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526	926702 .702998 .536376 .411704 .317976 .247166 .793396 .152356 .120862 .096560	2 3.827532 2.809736 2.070506 1.531996 1.138464 .849914 .637594 .480778	3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 872572	926702 .702998 .536376 .411704 .317976 .247166 .793396 .152356 .120862 .096560 .077706 .062992	3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .158302	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.632216 1.406652 1.214728 1.051022 911050	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.280526 1.055724 2.872572 2.872572	1 .926702 .702998 .536376 .411704 .317976 .247166 .152356 .120862 .096560 .077706 .062992	2 3.827532 2.809736 2.070505 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 1.64516	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .158302 .121786	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.664388 1.219494 .896052 .660342 .488134
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 872572	926702 .702998 .536376 .411704 .317976 .247166 .793396 .152356 .120862 .096560 .077706 .062992	3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .158302	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 911380 .809308 .720468 .642902 .574970	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022 .911050 .791104 .688088 .599430	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 872572 722900 600238 499436 416390	1 .926702 .702998 .536376 .411704 .317976 .247166 .793396 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .025312	2 3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516 .127788 .099916 .078656	3 3.845378 2.820082 2.075390 1.532958 1.1366212 .632638 .475042 .338334 .271574 .206824 .158302 .121786 .094182 .073222	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .361994 .269344 .269344
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.897982 1.632216 1.406652 1.214728 1.051022 .911050 .791104 .688088 .599430 .522978	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.280526 1.0557324 1.280526 1.0557324 872572 .722900 .600238 .499436 4.46390 .347800	1 .926702 .702998 .536376 .411704 .317976 .247166 .152356 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666	2 3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .83798 .480778 .480778 .213166 .164516 .127788 .099916 .078656 .062348 .049768	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .121786 .094182 .0073222 .057234 .044976	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.664388 1.219494 .896052 .660342 .488134 .361994 .269344 .201102 .150688
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022 .911050 .791104 .688088 .599430 .522978 .456920 .399744	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 .872572 .72900 .600238 .499436 .416390 .241020 .243916	1 .926702 .702998 .536376 .411704 .317976 .247166 .193396 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .026666 .020912 .017860	2 3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516 .078656 .062348 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .0497	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .35831 .271574 .206824 .158302 .121786 .094182 .073222 .057234 .044976 .035534	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .361994 .269344 .201102 .150688 1.13332 .085562
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242 .338770	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.897982 1.632216 1.406652 1.214728 1.051022 911050 .791104 .688088 .599430 .522978 .456920 .399744 .350168	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .347800 .291020 .243916 .204756	1 .926702 .702998 .536376 .411704 .317976 .247166 .152356 .152356 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666 .020912 .017860 .015364	3.827532 2.809736 2.070506 1.531996 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516 .127788 .099916 .078656 .062348 .049768 .049768	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .158302 .121786 .094182 .073222 .057234 .044976 .0358246	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .269344 .269344 .201102 .150688 1.13332 .085562
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022 911050 .791104 .688088 .599430 .522978 .456920 .399744 .350168 .269656 .208558	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 .872572 .72900 .600238 .499436 .416390 .241020 .243916	1 .926702 .702998 .536376 .411704 .317976 .247166 .193396 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .026666 .020912 .017860	2 3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516 .078656 .062348 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .04976 .0497	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .35831 .271574 .206824 .158302 .121786 .094182 .073222 .057234 .044976 .035534	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .361994 .269344 .201102 .150688 1.13332 .085562
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280	3.542002 3.043180 2.624886 2.27716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .416336 .375242 .338770 .277402 .228430 .189050	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.632216 1.406652 1.214728 1.051022 911050 791104 688088 599430 529278 426920 339744 350168 269656 208558	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.280526 1.055724 872572 722900 .446390 .347800 .243916 .204756 .144916 .103108 .073708	919 by 10 ³ 1 .926702 .702998 .536376 .411704 .317976 .247166 .793396 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .02666 .029616 .029616 .015364 .011610 .009012 .007170	2 3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516 .127788 .049768 .049768 .049768 .049768 .026400 .017904 .012464 .008888	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .35830 .271574 .206824 .158302 .121786 .094182 .073222 .057234 .044976 .035534 .028226 .022540 .014598 .006496	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .261994 .269344 .201102 .150688 .113332 .085562 .064852 .037712 .022302 .013418
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280 .542216 .511086	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242 .338770 .277402 .228430 .189050	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.897982 1.632216 1.406652 1.214728 1.051022 .911050 .791104 .688088 .599430 .522978 .456920 .399744 .350168 .269656 .208558 .161934 .126178	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .347800 .243916 .204756 .144916 .103108 .073708 .052916	1 .926702 .702998 .536376 .411704 .317976 .247166 .152356 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666 .020912 .017860 .015364 .011610 .009012 .007170 .005838	3.827532 2.809736 2.070506 1.531995 1.138464 .849914 .637594 .480778 .364500 .277918 .213166 .164516 .127788 .099916 .078656 .062348 .049066 .032386 .026400 .017904 .012664 .008888 .006480	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .158302 .121786 .094182 .073222 .057234 .044976 .035534 .022540 .014598 .009646 .006496	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.6664388 1.219494 .896052 .660342 .488134 .26194 .269344 .201102 .150688 .113332 .085562 .064852 .02302 .02312
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280 .542216 .511086 .483284 .425296	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242 .338770 .277402 .228430 .189050 .157164 .131186	3 5.841606 4.935184 4.181242 3.525766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022 911050 .791104 .688088 .592430 .522978 .456920 .399744 .350168 .269656 .208558 .161934 .1098630 .053926	8.360858 6.690768 5.373654 4.335560 3.509472 2.850668 2.323204 1.899276 1.55724 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .291020 .243916 .204756 .103108 .073708	1 .926702 .702998 .536376 .411704 .317976 .247166 .193396 .152366 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666 .020912 .017860 .015364 .011610 .009012 .007170 .005838 .004852 .004852	2 3.827532 2.809736 2.070505 1.531996 1.138464 849914 637594 4.80778 3.64500 2.77918 2.13166 1.64516 1.27788 0.099916 0.78556 0.62348 0.49768 0.04820 0.04820 0.004870	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358333 .271574 .206824 .121786 .094182 .073222 .057234 .044976 .035534 .028226 .022540 .014598 .009645 .006496 .004450 .003098 .001330	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.664388 1.219494 .896052 .660342 .488134 .361994 .269344 .201102 .150688 .113332 .085562 .064852 .037712 .022302 .013418 .008214 .009514
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280 .542216 .511086 .483284 .425296 .379618	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .3375242 .338770 .277402 .228430 .189050 .157164 .131186 .084782	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022 911050 .791104 .688088 .599430 .522978 .456920 .399744 .350168 .269656 .208558 .161934 .126178 .098630	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .347800 .243916 .204756 .144916 .103108 .073708	1 .926702 .702998 .536376 .411704 .317976 .247166 .793396 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .024466 .020912 .024666 .017860 .017860 .015364 .011610 .009012 .009012 .005838 .004852 .003298 .003298	3.827532 2.809736 2.070506 1.531995 1.138464 849914 637594 480778 364500 277918 213166 1.64516 1.27788 0.99916 0.078656 0.062348 0.49768 0.497	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358302 .271574 .206824 .158302 .073222 .057234 .044976 .035534 .028226 .022540 .014598 .006496 .004450 .003098 .001330 .000612	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .26194 .269344 .201102 .150688 .113332 .085562 .064852 .037712 .022302 .013418 .008214 .005114 .005114 .001680 .000604
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280 .542216 .511086 .483284 .425296	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242 .338770 .277402 .228430 .189050 .157164 .131186	3 5.841606 4.935184 4.181242 3.525766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022 911050 .791104 .688088 .592430 .522978 .456920 .399744 .350168 .269656 .208558 .161934 .1098630 .053926	8.360858 6.690768 5.373654 4.335560 3.509472 2.850668 2.323204 1.899276 1.55724 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .291020 .243916 .204756 .103108 .073708	1 .926702 .702998 .536376 .411704 .317976 .247166 .193396 .152366 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666 .020912 .017860 .015364 .011610 .009012 .007170 .005838 .004852 .004852	2 3.827532 2.809736 2.070505 1.531996 1.138464 849914 637594 4.80778 3.64500 2.77918 2.13166 1.64516 1.27788 0.099916 0.78556 0.62348 0.49768 0.04820 0.04820 0.004870	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358333 .271574 .206824 .121786 .094182 .073222 .057234 .044976 .035534 .028226 .022540 .014598 .009645 .006496 .004450 .003098 .001330	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.664388 1.219494 .896052 .660342 .488134 .361994 .269344 .201102 .150688 .113332 .085562 .064852 .037712 .022302 .013418 .008214 .009514
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280 .542216 .511086 .483284 .425296 .379618 .342710 .312256	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242 .338770 .277402 .228430 .189050 .157164 .131186 .084782 .055786	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.897982 1.632216 1.406652 1.214728 1.051022 911050 .791104 .688088 .599430 .522978 .456920 .399744 .350168 .269656 .208558 .161934 .126178 .098630 .053926 .029908 .016780 .009502	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.555724 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .291020 .243916 .00373708 .073708 .073708 .073708 .073708 .073708	1 .926702 .702998 .536376 .411704 .317976 .247166 .193396 .152366 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666 .020912 .017860 .015364 .011610 .009012 .007170 .005838 .004852 .003298 .002442 .001922 .001584	2 3.827532 2.809736 2.070505 1.531996 1.138464 849914 637594 480778 3.64500 2.77918 2.13166 1.64516 1.27788 0.099916 0.78556 0.62348 0.49768 0	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .121786 .094182 .073222 .057234 .04457 .035534 .028226 .022540 .014598 .009646 .006496 .004450 .00398 .001330 .000612 .000296	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .361994 .201102 .150688 .113332 .085562 .064852 .037712 .022302 .013418 .008214 .001680 .000604 .000234 .000966
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5 4.0 4.5 5.0 6.0 7.0	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280 .542216 .511086 .483284 .425296 .379618 .342710 .312256 .264900 .229740	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 911380 809308 .720468 642902 5774970 .515304 .462750 .416336 .375242 .338770 .277402 .228430 .189050 .157164 .131186 .084782 .055786	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.697982 1.632216 1.406652 1.214728 1.051022 .911050 .791104 .688088 .599430 .522978 .456920 .390168 .269656 .208558 .161934 .126178 .098630 .053926 .009502 .003116 .001046	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.557324 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .347800 .291020 .243916 .204756 .144916 .003108 .0031708 .003574 .001666 .000372 .000084	1 .926702 .702998 .536376 .411704 .317976 .247166 .793396 .152356 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666 .020912 .017860 .015364 .011610 .009012 .007170 .005838 .004852 .003298 .002442 .001922 .001584 .001178 .000950	3.827532 2.809736 2.070506 1.531995 1.138464 .849914 637594 .880778 .364500 .277918 .213166 .164516 .127788 .099916 .078656 .062348 .049768	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .158302 .121786 .094182 .073222 .057234 .044976 .035534 .028226 .022540 .014598 .006496 .004450 .003098 .001330 .000612 .000296 .000148	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .26194 .269344 .201102 .150688 .113332 .085562 .064852 .037712 .022302 .013418 .008214 .005114 .001604 .000234 .0000604 .000018
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5	1.813696 1.685562 1.570800 1.467770 1.375052 1.291416 1.215792 1.147250 1.084978 1.028270 .976506 .929150 .885720 .845808 .809044 .775108 .743714 .714610 .687576 .662416 .617032 .577280 .542216 .511086 .483284 .425296 .379618 .342710 .312256	3.542002 3.043180 2.624886 2.272716 1.975030 1.722402 1.507184 1.323132 1.165148 1.029046 .911380 .809308 .720468 .642902 .574970 .515304 .462750 .416336 .375242 .338770 .277402 .228430 .189050 .157164 .131186 .084782 .055786	3 5.841606 4.935184 4.181242 3.552196 3.025766 2.583910 2.211962 1.897982 1.632216 1.406652 1.214728 1.051022 911050 .791104 .688088 .599430 .522978 .456920 .399744 .350168 .269656 .208558 .161934 .126178 .098630 .053926 .029908 .016780 .009502	8.360858 6.690768 5.375654 4.335560 3.509472 2.850668 2.323204 1.899276 1.555724 1.280526 1.055724 .872572 .722900 .600238 .499436 .416390 .291020 .243916 .00373708 .073708 .073708 .073708 .073708 .073708	1 .926702 .702998 .536376 .411704 .317976 .247166 .193396 .152366 .120862 .096560 .077706 .062992 .051446 .042330 .035092 .029312 .024666 .020912 .017860 .015364 .011610 .009012 .007170 .005838 .004852 .003298 .002442 .001922 .001584	2 3.827532 2.809736 2.070505 1.531996 1.138464 849914 637594 480778 3.64500 2.77918 2.13166 1.64516 1.27788 0.099916 0.78556 0.62348 0.49768 0	3 3.845378 2.820082 2.075390 1.532958 1.136660 .846212 .632638 .475042 .358334 .271574 .206824 .121786 .094182 .073222 .057234 .04457 .035534 .028226 .022540 .014598 .009646 .006496 .004450 .00398 .001330 .000612 .000296	21.893880 15.743710 11.343920 8.190838 5.927104 4.298802 3.125264 2.277754 1.666388 1.219494 .896052 .660342 .488134 .361994 .201102 .150688 .113332 .085562 .064852 .037712 .022302 .013418 .008214 .001680 .000604 .000234 .000966

TABLE 12 E. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 20$ degrees

				L GEOMETRIC	FACTORS (cm²			
H	1	HILE 2	T CHANNEL 3	4	1	Į COLE	T CHANNEL 3	4
.1	. 156640	1.175438	1.000240	20.188540	1.750236	6.124216	5.840130	65.952660
.2	.141388	.984818	.828726	16.023420	1.294150	4.463222	4.250798	47.423480
.3 .4	. 127994 . 116206	.828302 .699338	. 688580 . 573738	12.765000 10.205570	.961988 .719146	3.265200 2.398556	3.104810 2.276154	34.176720 24.687900
.5	.105814	. 592702	.479366	8.187244	.540878	1.769662	1.675178	17.877050
.6 .7	. 096630 . 088500	.504214 .430526	.401598 .337332	6.589574 5.320228	.409438 .312078	1.311770 .977198	1.237944	12.978000 9.446322
.8	.081284	. 368942	.284080	4.308158	.239604	.731808	. 584990	6.894514
.9 1.0	.074870 .069152	.317294 .273822	.239834 .202974	3.498504 2.848670	.185376 .144576	.551106 .417470	.513100 .386232	5.046308 3.704380
1.1	.064046	.237104	.172184	2.325484	.113704	.318200	.292212	2.727552
1.2	.059476	.205984	.146400	1.903014	.090202	.244104	.222240	2.014596
1.3 1.4	. 055378 . 051692	. 179516 . 156928	. 124754 . 106536	1.560904 1.283122	.072198 .058316	. 188522 . 146606	. 169936 . 130658	1.492802 1.109826
1.5	.048372	.137588	.091166	1.056988	.047540	.114826	. 101022	.827916
1.6 1.7	.045372 .042658	.120974 .106656	.078170 .067154	.872446 .721494	.039116 .032486	. 090588 . 071994	.078550 .061428	. 619774 . 465618
1.8	.040198	.094278	.057798	.597742	.027228	.057640	.048312	. 351084
1.9	.037960	.083546	.049834	.496072	.023028	.046492	.038212	.265706
2.0 2.2	.035922 .032358	.074212 .058954	.043040 .032262	.412374 .286290	.019650 .014674	.037774 .025476	.030394 .019550	.201852 .117842
2.4	.029362	.047222	.024328	. 199904	.011310	.017658	.012844	.069878
2.6	.026824	.038110	.018448	. 140322	.008970	.012552	.008608	.042092
2.8 3.0	.024656 .022792	.030966 .025318	.014060 .010766	.098976 .070126	.007296 .006068	.009128 .006776	.005874 .004078	.025756 .01 6006
3.5	.019126	.015662	.005624	.030146	.004140	.003462	.001742	.005198
4.0	.016460	.009956	.003002	.013238	.003076	.001916	.000798	.001834
4.5 5.0	.014452 .012892	.006468 .004274	.001630 .000898	.005916 .002684	.002424 .001 99 4	. 001122 . 000684	.000386 .000194	.000278
6.0	.010644	.001944	.000282	.000572	.001474	.000276	.000052	.000050
7.0 8.0	.009108 .007996	.000918 .000448	.000092 .000030	.000126 .000028	.001178 .000990	.000120	.000016 .000004	.000010
9.0	.007156	.000222	.000010	.000006	.000864	.000026	.000002	.000000
10.0	.006500	.000112	.000004	.000002	.000774	.000012	.000000	.000000
			NIDIRECTIONA ET CHANNEL		FACTORS (cm ² ply by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
.1	1.765708	HILI 2 3.339846	3 5.418860	multi 4 7.485888	ply by 10 ⁻³ 1 .946760	LOLET 2 4.180242	3 4.209298	27.923140
.1	1.765708 1.644348	HILI 2 3.339846 2.892454	3 5.418860 4.611000	multi 4 7.485888 6.958642	ply by 10 ^{.3} 1 .946760 .720350	LOLET 2 4.180242 3.087626	3 4.209298 3.106334	27.923140 20.275440
.1 .2 .3	1.765708	HILI 2 3.339846	3 5.418860	multi 4 7.485888	ply by 10 ⁻³ 1 .946760	LOLET 2 4.180242	3 4.209298	27.923140
.1 .2 .3 .4	1.765708 1.644348 1.535456 1.437518 1.349228	3.339846 2.892454 2.514100 2.192898 1.919174	5.418860 4.611000 3.933706 3.364216 2.884016	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556	946760 .720350 .551434 .424810 .329414	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302	3 4.209298 3.106334 2.300950 1.711010 1.277472	27.923140 20.275440 14.756950 10.766420 7.874478
.1 .2 .3 .4 .5	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036	5.418860 4.611000 3.933706 3.364216 2.884016 2.477992	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000	946760 .946760 .720350 .551434 .424810 .329414 .257178	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .959582	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786	27,923140 20,275440 14,756950 10,766420 7,874478 5,773976
.1 .2 .3 .4 .5 .6	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .95582 .725088 .550782	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898
.1 .2 .3 .4 .5 .6 .7 .8	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106	3 5.418860 4.611000 3.33706 2.884016 2.477992 2.133768 1.841180 1.591862	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012	1 .946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 959582 725088 .550782 420680	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630
.1 .2 .3 .4 .5 .6	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .95582 .725088 .550782	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 959582 725088 .550782 .420680 .323144 .49694 .194120	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052	3.339846 2.892454 2.514100 2.1919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016	3 5.418860 4.611000 3.933706 3.364216 2.844016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 872030 .728316	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .959582 .725088 .\$50782 .420680 .323144 .249694 .194120 .151864	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 959582 725088 .550782 .420680 .323144 .49694 .194120	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646
.1 .2 .3 .4 .5 .6 .7 .8 9 1.0 1.1 1.2 1.3 1.4	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980	1 .946760 .720350 .55144 .257178 .202188 .160094 .127694 .102610 .08378 .067776 .055716 .046156 .038528 .032406	LOLET 2 4.180242 3.087626 2.28948 1.705696 1.276302 .959582 .725088 .S50782 .420680 .323144 .249694 .194120 .151864 .119568 .094756	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .069472	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 478904	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108 .528120	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 872030 .728316 .609444 5.10884 .428980 .360776	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .038528	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .959582 .725088 .550782 .420680 .323144 .249694 .194120 .151864 .119568 .094756 .075590 .060702	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .069472 .054918	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .532330 .400358 .302026 .228554
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.071856 1.07390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .432504 .391228	3 5.418860 4.611000 3.933706 3.364216 2.834016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .9059718 .689654 .603108 .528120 .43034 .406452	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .17694 .102610 .083078 .067776 .057716 .046156 .038528 .032406 .027460 .023442 .020158	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .959582 .725088 .550782 .420680 .323144 .249694 .194120 .151864 .19568 .094756 .075590 .060702 .049072 .039932	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .034836	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 .173500 .132126
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .6570938 .590232 .531184 .478904 .432504 .391228 .354426	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108 .528120 .463034 .406452 .357186	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 872030 .728316 609444 .510884 .428980 .360776 .303862 .256284 .216436	1 .946760 .720350 .55144 .257178 .202188 .160094 .127694 .102610 .085716 .046156 .032406 .027460 .023442 .020158 .017456	LOLET 2 4.180242 3.087626 2.28948 1.705696 1.276302 .959582 .725088 .S50782 .420680 .323144 .249694 .194120 .151864 .119568 .094756 .075590 .060702 .049072 .039932 .032708	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .027952	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 1.73500 .132126 .100944
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .432504 .391228	3 5.418860 4.611000 3.933706 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108 .528120 .463034 .406452 .357186 .276720	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 872030 .728316 .609444 5.10884 .428980 .360776 .303862 .256284 .216436 .154928	1 .946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .046156 .038528 .032406 .027460 .023442 .020158 .017456 .013360	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .959582 .725088 .550782 .420680 .323144 .249694 1.19568 .094756 .075590 .060702 .049072 .039932 .032708 .022366	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .164972 .112876 .088330 .069472 .054918 .043630 .034836 .027952 .018255	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 .173500 .132126 .100944 .059496
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.071856 1.07390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096 .580198 .545814	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .73016 .657098 .590232 .531184 .478904 .391228 .354426 .292112 .241988 .201384	3 5.418860 4.611000 3.933706 3.364216 2.834016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .905624 .905624 .90504 .603108 .528120 .46034 .406452 .357186 .276720 .215210 .167960	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .111388 .080400	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .038528 .032406 .027460 .027460 .023442 .020158 .017456 .013360 .010492 .008434	LOLET 2 4. 180242 3. 087626 2. 289948 1. 705696 1. 276302 . 959582 . 725088 . 550782 . 420680 . 323144 . 249694 . 194120 . 151864 . 119568 . 094756 . 075590 . 060702 . 049072 . 039932 . 032708 . 022366 . 015672 . 011232	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .034836 .027952 .018256 .012144 .008220	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .32330 .400358 .302026 .228554 .173500 .132126 .100944 .059496 .035530 .021502
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096 .580198 .545814 .515230	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .432504 .391228 .354426 .292112 .241988 .201384 .168282	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.96580 1.040142 .905624 .789718 .689654 .603108 .528120 .460452 .357186 .276720 .215210 .167960 1.31498	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .111388 .180400 .058238	1 .946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .032406 .027460 .023442 .006928	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 .959582 .725088 .S50782 .420680 .323144 .249694 .194120 .151864 .119568 .094756 .075590 .060702 .049072 .049072 .03932 .032708 .022366 .015672 .011232 .008220	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .027952 .018255 .012144 .008220 .005654	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 1.73500 .132126 .100944 .059496 .035530 .021502 .013186
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.071856 1.07390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096 .580198 .545814	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .73016 .657098 .590232 .531184 .478904 .391228 .354426 .292112 .241988 .201384	3 5.418860 4.611000 3.933706 3.364216 2.834016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .905624 .905624 .90504 .603108 .528120 .46034 .406452 .357186 .276720 .215210 .167960	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .111388 .080400	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .038528 .032406 .027460 .027460 .023442 .020158 .017456 .013360 .010492 .008434	LOLET 2 4. 180242 3. 087626 2. 289948 1. 705696 1. 276302 . 959582 . 725088 . 550782 . 420680 . 323144 . 249694 . 194120 . 151864 . 119568 . 094756 . 075590 . 060702 . 049072 . 039932 . 032708 . 022366 . 015672 . 011232	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .034836 .027952 .018256 .012144 .008220	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .32330 .400358 .302026 .228554 .173500 .132126 .100944 .059496 .035530 .021502
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 3.5 4.0 3.5 4.0 3.5 4.0 3.5 4.0 3.0 3.0 4.0 4.0 3.0 4.0 4.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .742614 .742	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .391228 .354426 .292112 .241988 .201384 .168282 .141140 .092200 .061226	3 5.418860 4.611000 3.933706 3.364216 2.834016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108 .5413034 .406452 .357186 .276720 .215210 .215210 .215210 .215210 .215210 .215210 .215210 .215210 .215210 .215210	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .111388 .080400 .058238 .042320 .019280 .008910	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .038528 .032406 .027460 .023442 .020158 .017456 .013360 .010492 .008434 .006928 .003996 .003996	LOLET 2 4. 180242 3. 087626 2. 289948 1. 705696 1. 276302 . 959582 . 725088 . 550782 . 420680 . 323144 . 249694 . 194120 . 151864 . 119568 . 094756 . 075590 . 060702 . 049072 . 039932 . 032708 . 022366 . 015672 . 011232 . 008220 . 006130 . 003152 . 001748	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 414504 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .034836 .027952 .018256 .012144 .008220 .005654 .003948 .001790 .000782	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 .173500 .132126 .100944 .059496 .035530 .021502 .013186 .008196
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096 .580198 .545814 .515230 .487864 430624 .385372 .348694	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .432504 .391228 .354426 .292112 .241988 .201384 .168282 .141140 .092200 .061226 .041198	3 5.418860 4.611000 3.933706 6.11000 3.934216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.965624 .789718 .689504 6.528120 .463034 .406452 .406452 .215210 .167960 .131498 .103246 .057018 .031900 .018038	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .111388 .080400 .058238 .042320 .019280 .008910 .004166	1 .946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .032406 .027460 .023442 .000158 .017456 .013360 .010492 .008392 .008928 .008928 .002978 .002352	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 959582 725088 .S50782 .420680 .323144 .249694 .194120 .151864 .119568 .094756 .075590 .060702 .049072 .03932 .032708 .022366 .015672 .011672 .011672 .011672 .008220 .006130 .003152 .001748	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .027952 .018256 .012144 .008220 .005654 .003948 .001700 .000782	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .703946 .302026 .228554 1.73500 .132126 .100944 .059496 .035530 .021502 .013186 .008196 .002642 .00918
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 3.5 4.0 3.5 4.0 3.5 4.0 3.5 4.0 3.0 4.0 3.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .742614 .742	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .391228 .354426 .292112 .241988 .201384 .168282 .141140 .092200 .061226	3 5.418860 4.611000 3.933706 3.364216 2.834016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108 .5413034 .406452 .357186 .276720 .215210 .215210 .215210 .215210 .215210 .215210 .215210 .215210 .215210 .215210	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .111388 .080400 .058238 .042320 .019280 .008910	946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .038528 .032406 .027460 .023442 .020158 .017456 .013360 .010492 .008434 .006928 .003996 .003996	LOLET 2 4. 180242 3. 087626 2. 289948 1. 705696 1. 276302 . 959582 . 725088 . 550782 . 420680 . 323144 . 249694 . 194120 . 151864 . 119568 . 094756 . 075590 . 060702 . 049072 . 039932 . 032708 . 022366 . 015672 . 011232 . 008220 . 006130 . 003152 . 001748	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 414504 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .034836 .027952 .018256 .012144 .008220 .005654 .003948 .001790 .000782	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 .173500 .132126 .100944 .059496 .035530 .021502 .013186 .008196
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.5 4.5 5.6 6.0 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096 .580198 .545814 .515230 .487864 .430624 .385372 .348694 .318346 .270992 .235690	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 918158 819454 .733016 .657098 .590232 .531184 .478904 .432504 .432504 .391228 .354426 .292112 .241988 .201384 .168282 .141140 .092200 .061226 .041198 .028022 .013300 .006480	3 5.418860 4.611000 3.933706 3.364216 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108 .528120 .463034 .406452 .357186 .276720 .215210 .167960 .131498 .103246 .057188 .003416 .001158	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .11388 .080400 .058238 .042320 .019280 .008910 .004166 .001966	1 .946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .127694 .102610 .083078 .067776 .055716 .046156 .03528 .032406 .027460 .023442 .020158 .017456 .013360 .010492 .0008434 .006928 .005802 .00978 .002352 .001938 .001436 .001150	LOLET 2 4.180242 3.087626 2.28948 1.705696 1.276302 .959582 .725088 .S50782 .420680 .323144 .249694 .194120 .151864 .119568 .094756 .075590 .060702 .049072 .03932 .032708 .022366 .015672 .011232 .008220 .006130 .003152 .001748 .001024 .000252 .000110	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 414504 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .034836 .027952 .018256 .012144 .008220 .005654 .003748 .001700 .000782 .000378 .000190	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 .173500 .132126 .100944 .059496 .035950 .021502 .013186 .008196 .002642 .000918 .000342 .000044
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 6 2.8 3.0 5 4.5 6 6 7 7 8 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096 .580198 .545814 .515230 .487864 .385372 .348694 .385372	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .432504 .391228 .354426 .292112 .241988 .201384 .16828 .141140 .092200 .061226 .041198 .028022 .013300	3 5.418860 4.611000 3.933706 5.8484016 2.847992 2.133768 1.841180 1.591862 1.378904 1.196580 1.040142 .905624 .789718 .689654 .603108 .528120 .463034 .406452 .357186 .276720 .215210 .167960 .131498 .003416 .057018 .031900 .018028 .003416	multi 4 7.485888 6.058642 4.92220 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .111388 .080400 .058238 .042320 .019280 .00910 .004166 .001966	91y by 10 ⁻³ 1 .946760 .720350 .551434 .424810 .329414 .257178 .202188 .160094 .102610 .083078 .067776 .055716 .046156 .038528 .032406 .027460 .023442 .020158 .017456 .013360 .010492 .008434 .006928 .005802 .003996 .002978 .002978	LOLET 2 4. 180242 3. 087626 2. 289948 1. 705696 1. 276302 . 959582 . 725088 . 550782 . 420680 . 323144 . 249694 . 194120 . 151864 . 119568 . 094756 . 075590 . 060702 . 049072 . 039932 . 032708 . 022366 . 015672 . 011232 . 008220 . 006130 . 003152 . 001748 . 001024 . 000626 . 000625	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .069472 .054918 .043630 .034836 .027952 .018256 .012144 .008220 .005654 .003788 .001700 .000782 .000378	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .709946 .532330 .400358 .302026 .228554 .173500 .132126 .100944 .059496 .035530 .021502 .013186 .002642 .000918 .000342 .000134
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.5 4.5 5.6 6.0 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.765708 1.644348 1.535456 1.437518 1.349228 1.269446 1.197178 1.131568 1.071856 1.017390 .967594 .921960 .880052 .841474 .805888 .772992 .742518 .714230 .687918 .663400 .619096 .580198 .545814 .515230 .487864 .430624 .385372 .348694 .318346 .270992 .235690 .208322	3.339846 2.892454 2.514100 2.192898 1.919174 1.685036 1.484028 1.310840 1.161106 1.031212 .918158 .819454 .733016 .657098 .590232 .531184 .478904 .432504 .478904 .478	3 5.418860 4.611000 3.933706 6.611000 3.934706 2.884016 2.477992 2.133768 1.841180 1.591862 1.378904 1.965624 .789718 .6895624 .789718 .6895624 .789718 .689562 2.15210 2.167960 1.31498 1.03246 .057018 .031900 .018038 .010288 .003416 .001158 .000400	multi 4 7.485888 6.058642 4.922250 4.013438 3.283556 2.695000 2.218588 1.831544 1.516012 1.257944 1.046228 .872030 .728316 .609444 .510884 .428980 .360776 .303862 .256284 .216436 .154928 .11388 .080400 .058238 .042320 .019280 .008910 .004166 .001966	1	LOLET 2 4.180242 3.087626 2.289948 1.705696 1.276302 959582 725088 .S50782 .420680 .323144 .249694 .194120 .151864 .119568 .094756 .075590 .060702 .049072 .039732 .032708 .022366 .015672 .011232 .00820 .006130 .003152 .00820 .006130 .003152 .00744 .000626 .000252 .000110 .000050	3 4.209298 3.106334 2.300950 1.711010 1.277472 .957786 .721214 .545506 .414504 .316446 .242750 .187130 .144972 .112876 .088330 .099472 .054918 .043630 .034836 .027952 .018255 .012144 .008220 .005654 .003948 .001700 .000782 .000378 .000190 .000052 .000016	27.923140 20.275440 14.756950 10.766420 7.874478 5.773976 4.244786 3.128898 2.312630 1.714050 1.273998 .949646 .703946 .532330 .400358 .302026 .228554 1.73500 .132126 .100944 .059496 .035530 .021502 .013186 .008196 .002642 .000918 .000342 .000134 .000004

TABLE 12 F. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 25$ degrees

				GEOMETRIC	FACTORS (cm²	HeV)		
N	1	HILI 2	ET CHANNEL 3		•		ET CHANNEL	4
		2	3	4	1	2	3	4
.1	. 153218	1.127600	.947170	18.727210	1.841226	6.956294	6.655724	84.185400
.2	.138742	.953194	.791018	15.021240	1.363636	5.082498	4.856456	60.797980
.3 .4	.125994 .114742	.808742 .688682	.662414	12.093640	1.015480	3.728244	3.556500	44.018280
.5	.104794	. 588540	.556192 .468212	9.770966 7.920724	.760674 .573400	2.746466 2.032372	2.614518 1.929790	31.952800 23.257100
. 6	.095980	.504720	.395136	6.441028	.435140	1.511168	1.430418	16.975070
.7	.088154	.434318	.334276	5.253256	.332576	1.129346	1.064962	12.425600
.8	.081190	. 374982	.283456	4.296440	.256106	. 848530	. 796532	9.122340
.9 1.0	.074982 .069434	. 324800 . 282220	.240910	3.523090 2.896036	. 198786	.641148	.598616	6.717618
1.1	.064466	.245966	.205198 .175150	2.386090	.155576 .122810	.487324 .372698	.452106 .343198	4.962208 3.677196
1.2	.060008	.215002	. 149808	1.970206	.097808	.286870	.261890	2.733808
1.3	.056000	. 188468	. 128384	1.630128	.078608	.222276	.200914	2.039170
1.4	.052386	. 165662	.110232	1.351348	.063764	.173406	.154974	1.526142
1.5 1.6	.049122 .046168	. 145998 . 128994	.094818 .081702	1.122274 .933624	.052206	.136226	.120196	1.146068
1.7	.043488	.114246	.070518	.777938	.043146 .035990	. 107780 . 085884	.093738 .073510	.863608 .653018
1.8	.041052	.101420	.060962	.649206	.030298	.068928	.057966	.495500
1.9	.038832	.090234	.052784	. \$42558	.025736	.055716	.045960	.377294
2.0	.036806	.080452	.045770	.454052	.022052	.045356	.036638	.288292
2.2 2.4	.033252 .030252	.064342 .051840	.034560 .026234	.319220 .225490	.016598 .012882	.030686	.023654	. 170094
2.6	.027702	.042052	.020008	.159964	.010278	.021312 .015170	.015582 .010462	.101758 .061714
2.8	.025518	.034322	.015330	.113928	.008402	.011038	.007148	.037932
3.0	.023632	.028170	.011792	.081432	.007018	.008194	.004962	.023620
3.5	.019906	.017564	.006218	.035670	.004822	.004184	.002116	.007628
4.0 4.5	.017180 .015118	.011230 .007328	.003344 .001826	.015896 .007188	.003594 .002836	.002312 .001352	.000968 .000466	.002644
5.0	.013510	.004860	.001010	.007188	.002334	.001332	.000234	.000974 .000378
6.0	.011180	.002220	.000320	.000712	.001720	.000332	.000064	.000064
7.0	.009580	.001054	.000104	.000158	.001370	.000144	.000018	.000012
8.0	.008420	.000514	.000034	.000036	.001148	.000066	.000006	.000002
9.0 10.0	.007540 .006850	.000256 .000130	.000012 .000004	- 000008 - 000002	.000996 .000890	.000032 .000016	.000002	.000000
20.0		.000230	.000004	. 000002	.000000	.000010	.000000	.000000
					FACTORS (cm²			
			NIDIRECTIONAL ET CHANNEL		FACTORS (cm ² ply by 10 ⁻³		CHANNEL	
N	1	NIL	ET CHANNEL	multi	ply by 10 ⁻³	LOLET		4
	1	HIL 2	ET CHANNEL				CHANNEL 3	4
.1	1.718074	HIL 2 3.167679	ET CHANNEL 3 5.069284	#ultf 4 6.789962	ply by 10 ⁻³ 1 .964574	LOLET 2 4.489916	3 4.529650	32.683320
.1 .2	1.718074 1.603562	HIL 2 3.167670 2.761770	5.069284 4.338212	multi 4 6.789962 5.538508	ply by 10 ⁻³ 1 .964574 .735836	LOLET 2 4.489916 3.334606	3 4.529650 3.354388	32.683320 23.920680
.1 .2 .3	1.718074 1.603562 1.500584	HIL 2 3.167670 2.761770 2.416084	5.069284 4.338212 3.721496	#ulti 4 6.789962 5.538508 4.534502	964574 .735836 .564920	LOLET 2 4.489916 3.334606 2.487308	3 4.520650 3.354388 2.498888	32.683320 23.920680 17.555350
.1 .2 .3 .4	1.718074 1.603562	HIL 2 3.167670 2.761770	5.069284 4.338212	multi 4 6.789962 5.538508	ply by 10 ⁻³ 1 .964574 .735836	LOLET 2 4.489916 3.334606	3 4.529650 3.354388	32.683320 23.920680 17.555350 12.919900
.1 .2 .3 .4 .5	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956	3.167670 2.761770 2.416084 2.120562 1.866996 1.648642	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874	multi 4 6.789962 5.538508 4.534502 3.725406 3.070604 2.538534	964574 .735836 .564920 .436576 .339706 .266198	LOLET 2 4.489916 3.334606 2.487308 1.863716 1.403082 1.061520	3 4.52650 3.354388 2.49888 1.869210 1.404116 1.059330	32.683320 23.920680 17.555350
.1 .2 .3 .4 .5 .6	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028	3.167670 2.761770 2.416084 2.120569 1.648642 1.459954	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564	964574 .735836 .564920 .436576 .339706 .266198 .210110	LOLET 2 4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228	3 4.52650 3.354388 2.49888 1.869210 1.404116 1.059330 .802766	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390
.1 .2 .3 .4 .5 .6	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318	3.167670 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338	1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124	3 4.520650 3.354388 2.49888 1.869210 1.404116 1.059330 .802766 .611110	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912
.1 .2 .3 .4 .5 .6	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140	3.167670 2.761770 2.416084 2.120569 1.648642 1.459954	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 617124 4.474388	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467366	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338	1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124	3 4.520650 3.354388 2.49888 1.869210 1.404116 1.059330 .802766 .611110	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070	3.167670 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596	5.069284 4.38212 3.721296 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 .474388 .366734 .285164 .223058	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .4677366 .359114	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830 1.639090 1.235070
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242	6.789952 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156	ply by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 4.74388 .366734 .285164 .223058 .175538	3 4.520650 3.354388 2.498888 1.8692766 .611110 .467366 .359114 .277248 2.15072 .167642	32,683320 23,920680 17,555350 12,919900 9,535462 7,057930 5,29390 3,900912 2,913020 2,181830 1,639090 1,235070 ,933442
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.4	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.16318 1.059140 1.006880 .959012 .915070 .874642 .837364	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.055958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 4.74388 .366734 .285164 .223058 .175538 .138992	3 4.520650 3.354388 2.498888 1.669410 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.181830 1.639090 1.235070 .933442 .707600
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924	3.167670 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .687240	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .13852 .108060 .087912 .072078 .059554 .049590 .041608	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 4.74388 .366734 .285164 .223058 .17558 .138992 .110742	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 1.31302	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .7076600 .538008
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .687240 .602938 .529600	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 4.74388 .366734 .285164 .223058 .175538 .138992	3 4.520650 3.354388 2.498888 1.669410 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.181830 1.639090 1.235070 .933442 .707600
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704	6.789952 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 .429430 .362936 .307134	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 .474388 .366734 .285164 .223058 .175538 .138992 .110742 .088784 .071628 .058148	3 4.520650 3.354388 2.498888 1.669330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 2.913020 2.181830 1.639090 1.235070 .933442 .707600 .538008 .410282 .313806 .240722
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334	3.167670 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378	5.069284 4.38212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .667240 .602938 .529600 .465704 .409952	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 717502 .603734 .508802 .429430 .362936 .307134 .260226	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 .474388 .366734 .285164 .223058 .175538 .175538 .175538 .175638 .17628 .088784 .071628	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .70760 538008 .410282 .313806 .240722 .185196
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176	3 5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.75276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 854156 .717502 .603734 .508802 429430 .362936 .307134 .260226 .220730	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 807228 617124 4.74388 3.66734 2.85164 2.23058 1.75538 1.38992 1.10742 0.088784 0.071628 0.58148 0.47496	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467366 3.59114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .041558	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 933442 .707600 538008 410282 .313806 .240722 .185196
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 717502 .603734 .508802 .429430 .362936 .307134 .260226	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 .474388 .366734 .285164 .223058 .175538 .175538 .175538 .175638 .17628 .088784 .071628	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .70760 538008 .410282 .313806 .240722 .185196
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338	3.167670 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 .429430 .362936 .307134 .260226 .220730 .115416 .083898	ply by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .014922 .011810 .009560	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 .474388 .366734 .285164 .223058 1.75538 .17538 .17538 .10742 .088784 .071628 .047496 .039034 .026836 .018876 .013562	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .033478 .022012 .014720 .010000	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .70760 538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778	3 5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.775276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 854156 .717502 .603734 .508802 .429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .014922 .011810 .009560 .007900	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 807228 617124 4.74388 3.66734 2.85164 222058 1.75538 1.38992 1.10742 0.088784 0.071628 0.58148 0.47496 0.39034 0.26836 0.18876 0.13562 0.015562	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467566 .359114 .277248 .215072 .167642 .13334 .081714 .064922 .051824 .041558 .03478 .022012 .014720 .010000 .006894	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .707600 .538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970 .019832
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.6 3.0	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270 .492312	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778 .149708	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.775276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408 .106712	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 .429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172 .044724	964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .019326 .019326 .019900 .007900	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 4.74388 .366734 2.85164 .223058 1.75538 1.38992 1.107424 0.88784 0.71628 0.58148 0.47496 0.39034 0.26836 0.18876 0.13562 0.09938	3 4.520650 3.354388 2.498888 1.8692766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .03378 .022012 .014720 .010000 .006894 .004820	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830 1.639090 1.235070 933442 .707600 .538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970 .019832 .012430
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778	3 5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.775276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408	6.789952 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 429430 .362936 .307134 .260226 .220730 .159310 .115416 .083698 .061172 .044724 .020652	91y by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .014922 .011810 .009560 .0079000 .006646	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 4.74388 .366734 .285164 .223058 1.75538 .138992 .110742 .088784 .071628 .058148 .047496 .039034 .013562 .009938 .007414 .003808	3 4.520650 3.354388 2.498888 1.669310 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .033478 .022012 .014720 .010000 .006894 .004820 .002076	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .707600 .538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970 .019832 .012430 .004038
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.0	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270 .492312 .435772 .390908 .354430	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778 .149708 .098678 .0966038	3 5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.75276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408 .106712 .059420 .033484 .019052	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 .429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172 .044724	ply by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .019326 .019326 .019326 .019326 .009560 .007900 .006646 .003458	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 4.74388 .366734 2.85164 .223058 1.75538 1.38992 1.107424 0.88784 0.71628 0.58148 0.47496 0.39034 0.26836 0.18876 0.13562 0.09938	3 4.520650 3.354388 2.498888 1.8692766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .03378 .022012 .014720 .010000 .006894 .004820	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830 1.639090 1.235070 933442 .707600 .538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970 .019832 .012430
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.6 3.0 3.5 4.5	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270 .492312 .435772 .390908 .324166	3.167670 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778 .149708 .098678 .066038	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.775276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408 .106712 .059420 .0334844 .019052 .010928	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 .429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172 .044724 .020652 .004560 .002170	ply by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .019326 .019326 .019326 .009560 .007900 .006646 .004616 .003458 .002254	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 807228 617124 4.74388 3.66734 2.85164 .223058 1.38992 1.107538 1.38992 1.107528 0.58148 0.47496 0.39034 0.26836 0.18876 0.13562 0.09938 0.07414 0.03808 0.02110 0.01234	3 4.520650 3.354388 2.498888 1.869230 1.404116 1.059330 802766 6.611110 4677366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .033478 .022012 .014720 .010000 .006894 .004820 .002076 .000952	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .707600 .538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970 .019832 .012430 .004038 .001390
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.0 4.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270 .492312 .492312 .390908 .354430 .324166 .276786	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778 .149708 .098678 .066038 .044736 .030610 .014672	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408 .106712 .059420 .033484 .019052 .0119928 .003664	6.789952 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 717502 .603734 .508802 429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172 .044724 .020652 .009656 .004560	91y by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .014922 .011810 .009560 .007900 .006646 .003458 .002736 .002254 .001666	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 .474388 .366734 .285164 .223058 1.75538 .138992 .110742 .088784 .071628 .058148 .047496 .039034 .026836 .013562 .009388 .002110 .001234 .000752 .000304	3 4.520650 3.354388 2.498888 1.669210 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .032012 .014720 .010000 .006894 .004820 .002076 .000952 .000458	32.683320 32.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830 1.639090 1.235070 933442 7076600 538008 410282 .313806 .440722 .185196 .142890 .085792 .052086 .031970 .019832 .012430 .004038 .001390 .000506 .000194 .000032
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.6 3.0 3.5 4.5	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270 .492312 .435772 .390908 .354430 .324166 .276786 .241320	3.167670 2.761770 2.761770 2.716084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778 .149708 .098678 .066038 .044736	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.175276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408 1.06712 .059420 .033484 .019052 .010928 .003664 .001254	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 .429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172 .044724 .020652 .009656 .004560 .002170 .000502 .000118	ply by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .014922 .011810 .009560 .007900 .006646 .00458 .002736 .002254 .001666 .001332	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 807228 617124 4.74388 3.66734 2.85164 2.23058 1.75538 1.38992 1.10742 0.088784 0.71628 0.58148 0.47496 0.39034 0.26836 0.18676 0.10562 0.09938 0.07414 0.03808 0.02110 0.01234 0.00132	3 4.520650 3.354388 2.498888 1.869210 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .033478 .022012 .014720 .010000 .006894 .004820 .002076 .000952 .000458 .000230 .000062	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .70760 .538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970 .019832 .012430 .004038 .001390 .000506
.1 .2 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 4.5 5.0 7.0 8 3.0 7.0 8 4.0 7.0 8 7.0 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 7.0 8 7.0 7.0 8 7.0 8 7.0 8 7.0 8 7.0 7.0 8 7.0 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 7.0 8 7.0 8 7.0 7.0 8 7.0 7.0 8 7.0 8 7.0 8 7.0 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 8 7.0 7.0 8 7.0 8 7.0 8 7.0 7.0 7.0 8 7.0 7.0 8 7.0 7 7.0 8 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 1.959012 1.915070 1.874642 1.837364 1.802924 1.771036 1.741450 1.713948 1.688334 1.664430 1.621156 1.583074 1.549338 1.519270 1.549338 1.519270 1.549338 1.519270 1.549338 1.519270 1.549338 1.519270 1.549338	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778 .149708 .098678 .098678 .098678 .030610 .014672 .007204 .003602 .001826	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.775276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408 .106712 .059420 .033484 .019052 .010928 .001254 .000152	6.789952 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 717502 .603734 .508802 429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172 .044724 .020652 .009656 .004560	91y by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019326 .014922 .011810 .009560 .007900 .006646 .003458 .002736 .002254 .001666	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 .807228 .617124 .474388 .366734 .285164 .223058 1.75538 .138992 .110742 .088784 .071628 .058148 .047496 .039034 .026836 .013562 .009388 .002110 .001234 .000752 .000304	3 4.520650 3.354388 2.498888 1.669210 1.404116 1.059330 .802766 .611110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .032012 .014720 .010000 .006894 .004820 .002076 .000952 .000458	32.683320 32.920680 17.555350 12.919900 9.535462 7.057930 5.239390 3.900912 2.913020 2.181830 1.639090 1.235070 933442 7076600 538008 410282 .313806 .440722 .185196 .142890 .085792 .052086 .031970 .019832 .012430 .004038 .001390 .000506 .000194 .000032
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.5 6.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	1.718074 1.603562 1.500584 1.407762 1.323898 1.247956 1.179028 1.116318 1.059140 1.006880 .959012 .915070 .874642 .837364 .802924 .771036 .741450 .713948 .688334 .664430 .621156 .583074 .549338 .519270 .492312 .435772 .390908 .354430 .324166 .276786 .241320 .213734	3.167670 2.761770 2.761770 2.416084 2.120562 1.866996 1.648642 1.459954 1.296344 1.154010 1.029796 .921062 .825596 .741546 .667344 .601670 .543398 .491572 .445378 .404112 .367176 .304290 .253354 .211828 .177778 .149708 .098678 .098678 .0966038 .044736 .030610 .014672 .007204 .003602	5.069284 4.338212 3.721496 3.199792 2.757250 2.380874 2.059958 1.785662 1.550670 1.348898 1.75276 1.025574 .896242 .784300 .687240 .602938 .529600 .465704 .409952 .361236 .281278 .219778 .172264 .135408 .106712 .059420 .033484 .019052 .019928 .003664 .001254 .000436	6.789962 5.538508 4.534502 3.725406 3.070604 2.538534 2.104564 1.749338 1.457604 1.217260 1.018678 .854156 .717502 .603734 .508802 429430 .362936 .307134 .260226 .220730 .159310 .115416 .083898 .061172 .044724 .020652 .009656 .004560 .002170 .000502 .000118 .000028	ply by 10 ⁻³ 1 .964574 .735836 .564920 .436576 .339706 .266198 .210110 .167070 .133852 .108060 .087912 .072078 .059554 .049590 .041608 .035178 .029962 .025706 .022212 .019126 .014922 .011810 .009560 .007900 .006646 .004616 .003458 .002254 .001666 .001332 .001120	4.489916 3.334606 2.487308 1.863716 1.403082 1.061520 807228 617124 4.74388 3.66734 2.85164 2.23058 1.75538 1.38992 1.10742 0.088784 0.071628 0.58148 0.47496 0.18562 0.09938 0.01414 0.03808 0.02110 0.01234 0.00752 0.00304 0.00132	3 4.520650 3.354388 2.498888 1.869230 1.404116 1.059330 .802766 6.11110 .467366 .359114 .277248 .215072 .167642 .131302 .103334 .081714 .064922 .051824 .041558 .033478 .022012 .014720 .010000 .006894 .004820 .002076 .000952 .0000688	32.683320 23.920680 17.555350 12.919900 9.535462 7.057930 3.900912 2.913020 2.181830 1.639090 1.235070 .933442 .707600 .538008 .410282 .313806 .240722 .185196 .142890 .085792 .052086 .031970 .019832 .012430 .004038 .00194 .000032 .000006

TABLE 12 G. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 30$ degrees

				L GEOMETRIC	FACTORS (cm²			
N	1	HILE 2	T CHANNEL 3	4	1	LOLE:	T CHANNEL 3	4
. 1	. 150588	1.082670	. 898224	17.461260	1.931550	7.737494	7.430336	101.462500
.2	. 136804	.922114	.755054	14.113970	1.432360	5.664912	5.432596	73.515020
.3 .4	. 124624 . 113844	.788182 .676058	. 636388 . 537746	11.450900 9.322800	1.068180 .801420	4.164614 3.075076	3.987002 2.937718	53.412720 38.918220
.5	.104282	.581858	.455518	7.615046	.605172	2.281130	2.173602	28.440880
.6	.095784	.502436	. 386780	6.239114	.460134	1.700490	1.615246	20.847520
.7 .8	.088218 .081464	.435246 .378206	.329164 .280746	5.126370 4.223258	.352418 .272004	1.274218 .960006	1.205768 .904334	15.329350 11.307980
.9	.075426	.329626	.239956	3.487852	.211642	.727404	. 681560	8.368928
1.0	.070014	.288114 .252530	.205504	2.887126	. 166068 . 131452	.554440	. 516240 . 393030	6.214492 4.630358
1.1 1.2	.065156 .060784	.232330	. 176340 . 151596	2.395004 1.990730	. 104992	.425220 .328200	.393030	3.461926
1.3	.056842	. 195544	. 130554	1.657786	.084632	.254984	.231432	2.597338
1.4 1.5	. 053280 . 050054	.172718 .152918	. 112624 . 097316	1.382932 1.155522	. 068860 . 056554	. 199432 . 157052	.179024 .139234	1.955500 1.477442
1.6	.047128	.135694	.084218	.966982	.046882	. 124534	.108876	1.120182
1.7	.044466	.120672	.072992	.810362	.039228	.099434	.085598	. 852294
1.8 1.9	.042042 .039828	. 107536 . 096 020	.063352 .055060	.680024 .571370	.033122 .028216	.079948 .064722	.067658 .053760	. 650736 . 498568
2.0	.037802	.085902	.047916	.480650	.024244	.052756	.042942	. 383294
2.2	.034240	.069122	.036424	. 341264	.018342	.035752	.027814	. 228842
2. 4 2.6	.031222 .028648	.055992 .045 6 34	.027816 .021332	.243282 .174066	.014300 .011452	.024850 .017 68 4	.018366 .012348	. 138432 . 084804
2.8	.026434	.037398	.016422	.124956	.009392	.012858	.008442	. 052582
3.0	.024518	.030806	.012690	.089974	.007862	.009532	.005860	.032980
3.5 4.0	.020718 .017924	.019344 .012434	.006752 .003656	.040050 .018086	.005426 .004052	.004844 .002664	.002492 .001134	.010764 .003730
4.5	.015798	.008146	.002008	.008268	.003198	.001552	.000544	. 001362
5.0	.014136	.005418	.001116	.003818	.002630	.000942	.000270	. 000520 . 000086
6.0 7.0	.011720 .010054	.002486 .001184	.000356 .000116	.000836 .000188	.001936 .001538	.000378 .000164	.000074	.000016
8.0	.008842	.000578	.000040	.000044	.001286	.000074	.000006	.000004
9.0 10.0	.007922 .007198	. 000288 . 000146	.000014	.000010 .000002	.001114 .000992	.000036 .000018	.000002	.000000
10.0	,00/130	.000148	.000004	.000002	.000332	.000018	.000000	.00000
			NIDIRECTIONA ET CHANNEL		FACTORS (cm ³ iply by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
.1	1.680012	HIL 2 3.012310	ET CHANNEL 3 4.759710	mult: 4 6.235104	iply by 10 ^{.3} 1 .985088	LOLET 2 4.751914	3 4.787510	36.597520
.1 .2	1.680012 1.571676	MIL 2 3.012310 2.640936	3 4.759710 4.092172	mult: 4 6.235104 5.115026	iply by 10 ⁻³ 1 .985088 .753220	LOLET 2 4.751914 3.546212	3 4.787510 3.569002	36.597520 26.943480
.1 .2 .3	1.680012	HIL 2 3.012310	ET CHANNEL 3 4.759710	mult: 4 6.235104	iply by 10 ^{.3} 1 .985088	LOLET 2 4.751914	3 4.787510	36.597520
.1 .2 .3 .4	1.680012 1.571676 1.474000 1.385744 1.305814	3.012310 2.640936 2.322836 2.049338 1.813340	4.759710 4.092172 3.526272 3.045212 2.635192	6.235104 5.115026 4.211428 3.479176 2.883236	1 .985088 .753220 .579722 .449238 .350582	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770	3 4.787510 3.569002 2.671826 2.008830 1.517042	36.597520 26.943480 19.897690 14.740790 10.955350
.1 .2 .3 .4 .5	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982	4.759710 4.092172 3.526272 3.045212 2.635192 2.284812	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294	1 .985088 .753220 .579722 .449238 .350582 .275578	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830	36.597520 26.943480 19.897690 14.740790 10.955350 8.168322
.1 .2 .3 .4	1.680012 1.571676 1.474000 1.385744 1.305814	3.012310 2.640936 2.322836 2.049338 1.813340	4.759710 4.092172 3.526272 3.045212 2.635192	6.235104 5.115026 4.211428 3.479176 2.883236	1 .985088 .753220 .579722 .449238 .350582	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770	3 4.787510 3.569002 2.671826 2.008830 1.517042	36.597520 26.943480 19.897690 14.740790 10.955350
.1 .2 .3 .4 .5 .6 .7	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.726980 1.505226	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794	1 .985088 .753220 .579722 .449238 .350582 .275578 .148234 .174134 .140016	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486	36.597520 26.943480 19.897690 14.740790 10.955350 8.168322 6.110108 4.585428 3.452448
.1 .2 .3 .4 .5 .6 .7 .8	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.324676 1.726898 1.505226 1.314000	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794	1 .985088 .753220 .579722 .449238 .350582 .275578 .2.234 .174134 .140016 .113458	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208	36.597520 26.943480 19.897690 14.740790 10.955350 8.168322 6.110108 4.585428 3.452448 2.607872
.1 .2 .3 .4 .5 .6 .7	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.726980 1.505226	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794	1 .985088 .753220 .579722 .449238 .350582 .275578 .148234 .174134 .140016	LOLET 2 4.751914 3.546212 2.65820 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858	36.597520 26.943480 19.897690 14.740790 10.955350 8.16832 6.110108 4.585428 3.452448 2.607872 1.976290 1.502474
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782	3.012310 2.640936 2.322836 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.724676 1.726980 1.505226 1.314000 1.48762 1.005712 .881640	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .3099208 .241858	36. 597520 26. 943480 19.897690 14.740790 10.955350 8.168322 6.110108 4.585428 3.452448 2.607872 1.976290 1.502474 1.145890
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .837582	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.304676 1.726980 1.505226 1.314000 1.148762 1.005712 .881640 .773844	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.936910 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484	1 .985088 .753220 .579722 .449238 .350582 .275578 .2.6234 .174134 .140016 .113458 .092658 .076264 .063260	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .39996 .241858 1.89584 .149304	36.597520 26.943480 19.897690 14.740790 10.955350 8.168322 6.110108 4.585428 3.452448 2.607872 1.976290 1.502474 1.145890 .876672
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .804080 .773010	3.012310 2.640936 2.322836 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782	4.759710 4.092172 3.526272 3.526272 3.045212 2.635192 2.284812 1.726590 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .598266	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .04540	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .39996 .241858 .189584 .149304 .118124 .093880	36.597520 26.943480 19.897690 14.740790 10.955350 8.168322 6.110108 4.585428 3.452448 2.607872 1.976290 1.502474 1.145890 .876672 672776 .517868
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .837582 .804080 .773010 .744138	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.726790 1.505226 1.314000 1.48762 1.005712 .881640 .773844 .68003 .598266 .526892	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .790052 .591484 .500470 4.424024 .359700	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 .189584 .149304 .118124 .093880 .074948	36. 597520 26. 943480 19.897690 14.740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 .672776 517868 .399814
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .837582 .804080 .773010 .744138 .717260	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .453986	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.304676 1.726980 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .598266 .526892 .464502	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.936916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700	1 .985088 .753220 .579722 .449238 .350582 .275578 .2.6234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .39996 .241858 189584 .189584 .118124 .093880 .074948	36. 597520 26. 943480 19. 897690 14. 740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 .672776 .51768 .399814 .309568
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .804080 .773010 .744138 .717260 .692188 .668760	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .413010 .376206	4.759710 4.092172 3.526272 3.526272 3.545212 2.635192 2.284812 1.726590 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .660032 .598266 .526892 .464502 .409892 .362030	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .024124	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 .189584 .149304 .118124 .093880 .074948 .060892 .039132	36.597520 26.943480 19.897690 14.740790 10.955350 8.168322 6.110108 4.585428 3.452448 2.607872 1.976290 1.502474 1.145890 .876672 672776 .517868 .399814 .309568 240374 .187164
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .837582 .804080 .773010 .744138 .717260 .692188 .668760 .626262	3.012310 2.640936 2.322836 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .453986 .413010 .376206	3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.726990 1.505226 1.314000 1.48762 1.005712 .881640 .773844 .680032 .598266 .526892 .464502 .409892 .362030 .283140	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .021058 .021058	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340 .031302	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 .189584 .149304 .118124 .093880 .074948 .060094 .048392 .039132	36. 597520 26. 943480 19.897690 14.740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 672776 .517868 .399814 .309568 .240374 .187164 .114388
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .804080 .773010 .744138 .717260 .692188 .668760	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .413010 .376206	4.759710 4.092172 3.526272 3.526272 3.545212 2.635192 2.284812 1.726590 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .660032 .598266 .526892 .464502 .409892 .362030	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .024124	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 .189584 .149304 .118124 .093880 .074948 .060892 .039132	36.597520 26.943480 19.897690 14.740790 10.955350 8.168322 6.110108 4.585428 3.452448 2.607872 1.976290 1.502474 1.145890 .876672 672776 .517868 .399814 .309568 240374 .187164
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .555488 .525760	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .413010 .376206 .313244 .261938 .219880 .185216	T CHANNEL 3 4.759710 4.092172 3.526271 2.635192 2.284812 1.324676 1.726980 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .598266 .526892 .464502 .409802 .362030 .283140 .222134 .174766 .137854	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040 .160544 .116996 .085514	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .024124 .021058 .016356 .013012 .010580 .008774	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157882 .126354 .101748 .082414 .055020 .045340 .031302 .022072 .015876 .011632	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 .189584 .149304 .118124 .093880 .074948 .060892 .039132 .025900 .017408 .011870	36. 597520 26. 943480 19.897690 14.740790 10.955350 8. 168322 6. 110108 4.585428 3. 452448 2.607872 1.976290 1.502474 1.145890 .876672 .672776 .517668 .399814 .309568 .240374 .187164 .114388 .070630 .044038 .027710
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 2.6 2.8 3.0	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 912970 .873782 .837582 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .555488 .525760 .499060	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .453986 .413010 .376206 .313244 .261938 .219880 .185216 .156506	3 4.759710 4.092172 3.52673 3.045212 2.635192 2.284812 1.724676 1.726980 1.505226 1.314000 1.48762 1.005712 .881640 .773844 .680032 .598266 .526892 .464502 .409892 362030 .282134 .174766 .1374854 .108992	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.6688210 1.396794 1.172000 985296 829826 700052 591484 500470 424024 359700 .305488 259724 421040 .116996 .085514 .062668	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .021058 .016356 .013012 .010580 .008774	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340 .031302 .022072 .015876 .011632 .008668	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 1.189584 .149304 .118124 .09388 .074948 .060094 .048392 .039132 .025900 .017408 .011870 .008204 .005742	36. 597520 26. 943480 19.897690 14.740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 672776 .517868 .399814 .309568 .240374 .187164 .114388 .070630 .044038 .027710
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 3.5 4.0	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .555488 .525760	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .413010 .376206 .313244 .261938 .219880 .185216	T CHANNEL 3 4.759710 4.092172 3.526271 2.635192 2.284812 1.324676 1.726980 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .598266 .526892 .464502 .409802 .362030 .283140 .222134 .174766 .137854	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040 .160544 .116996 .085514	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .024124 .021058 .016356 .013012 .010580 .008774	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157882 .126354 .101748 .082414 .055020 .045340 .031302 .022072 .015876 .011632	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 .189584 .149304 .118124 .093880 .074948 .060892 .039132 .025900 .017408 .011870	36. 597520 26. 943480 19.897690 14. 740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 .672776 .517868 .399814 .309568 .240374 .187164 .114388 .070630 .044038 .027710 .017588 .005848
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.6 2.8 3.9 3.5 4.5	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .555488 .525760 .499060 442896 .398170 .361694	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 918100 .825970 .744482 .672226 .608000 .550782 .499694 .453986 .413010 .376206 .313244 .261938 .219880 .185216 .156506 .070018	ET CHANNEL 3 4.759710 4.092172 3.526272 2.284812 2.635192 2.284812 1.324676 1.726980 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .526892 .464502 .40982	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.966910 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040 .160544 .116996 .085514 .062668 .046036 .001486 .0010136	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .0221058 .016356 .013012 .010580 .008774 .007404 .005168 .003880 .003072	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340 .031302 .022072 .015876 .011632 .008668 .004430 .001420	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 399208 .309996 .241858 1.89584 .149304 .118124 .093880 .074948 .0604392 .039132 .025900 .017408 .011870 .008204 .005742 .001128 .000540	36. 597520 26. 943480 19.897690 14.740790 10.955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 672776 .517868 .399814 .309568 .240374 .187164 .114388 .070630 .044038 .027710 .017588 .002036
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.6 3.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .837582 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .5588772	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 .918100 .825970 .744482 .672226 .608000 .550782 .499694 .453986 .413010 .376206 .313244 .261938 .219880 .185216 .156506 .103946 .07704	3 4.759710 4.092172 3.52673 3.045212 2.635192 2.284812 1.724676 1.726980 1.505226 1.314000 1.448762 1.005712 .881640 .773844 .680032 .598266 .526892 .464502 .409892 .362030 .283140 .222134 .174766 .137854 .108992 .061130	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.996916 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .259724 .221040 .160544 .116996 .085514 .062668 .046036 .021486 .010136 .004824 .002314	1 985088 .753220 .579722 .449238 .350582 .275578 .248234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .024124 .021058 .016356 .013012 .010580 .008774 .007404 .005168 .003872 .003072 .002532	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340 .031302 .022072 .015876 .011632 .008668 .004430 .001420 .000862	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 1.189584 .149304 .118124 .093880 .074948 .060094 .048392 .039132 .025900 .017408 .011870 .008204 .005742 .002470 .001128 .000540	36. 597520 26. 943480 19.897690 14.740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 .672776 .517668 .399814 .309568 .240374 .187164 .114388 .070630 .044038 .027710 .017588 .00236 .000280
.1 .2 .3 .4 .5 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.9 3.5 4.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .837582 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .555488 .525760 .499060 .442896 .398170 .361694 .31352 .283688 .247872	3.012310 2.640936 2.322836 2.322836 2.049338 1.813340 1.608982 1.43420 1.276630 1.141274 1.022546 918100 .825970 .744482 672226 608000 .550782 .499694 .453986 .413010 .376206 .313244 .261938 .219880 .185216 .156506 .007838	### CHANNEL 3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.726590 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .598266 .526892 .4649892 .362030 .283140 .222134 .174766 .137854 .108992 .061130 .034558 .019826 .001330	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040 .160544 .116996 .085514 .062668 .046036 .021486 .001315 .004824 .000128	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .034540 .037798 .032314 .027824 .021058 .016356 .013012 .010580 .008774 .007404 .005168 .003880 .003072 .002532 .001870 .001490	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340 .031302 .022072 .015876 .011632 .008688 .00440 .001420 .000862 .000346 .000150	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 8.77032 671486 516528 309996 241858 1.89584 1.49304 1.18124 993880 074948 060094 048392 039132 025900 017408 011870 008204 005742 002470 001128 000540 000268	36. 597520 26. 943480 19.897690 14. 740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 876672 672776 517868 399814 309568 240374 1.87164 1.14388 0.70630 0.044038 0.02710 0.01588 0.002036 0.00240 0.00208
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.2 2.4 2.8 3.9 3.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 -955488 -912970 .873782 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .555488 .525760 .499060 442896 .499060 .442896 .398170 .361694 .331352 .283688 .247872 .219920	3.012310 2.640936 2.322836 2.049338 1.813340 1.608982 1.431420 1.276630 1.141274 1.022546 918100 .825970 .744482 .672226 .608000 .550782 .499694 .453986 .413010 .376206 .313244 .261938 .219890 .185216 .156506 .070018 .047704 .032804 .015856 .007838 .003940	ET CHANNEL 3 4.759710 4.092172 3.526272 2.284812 2.635192 2.284812 1.324676 1.726590 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .526892 .464502 .40982 .362030 .283140 .222134 .174766 .137854 .108992 .061130 .034658 .019826 .011426 .003864 .001330 .000464	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.936691 1.668210 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040 .160544 .116996 .085514 .062668 .046036 .01136 .004824 .000314	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .052880 .044540 .037798 .032314 .027824 .0221058 .016356 .013012 .010580 .008774 .007404 .005168 .003880 .003072 .002532 .001870 .001490 .001250	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340 .031302 .022072 .015876 .011632 .008668 .004430 .001420 .000862 .000346 .000150 .000068	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 .877032 .671486 .516528 .399208 .309996 .241858 .189584 .149304 .118124 .093880 .074948 .060094 .048392 .025900 .017408 .011870 .008204 .005742 .000470 .001128 .000540 .000268	36. 597520 26. 943480 19.897690 14.740790 10.955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 .876672 672776 .517868 .399814 .309568 .240374 .187164 .114388 .070630 .044038 .027710 .017588 .005848 .002036 .000740 .000280 .000048
.1 .2 .3 .4 .5 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.9 3.5 4.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.680012 1.571676 1.474000 1.385744 1.305814 1.233258 1.167254 1.107072 1.052078 1.001714 .955488 .912970 .873782 .837582 .804080 .773010 .744138 .717260 .692188 .668760 .626262 .588772 .555488 .525760 .499060 .442896 .398170 .361694 .31352 .283688 .247872	3.012310 2.640936 2.322836 2.322836 2.049338 1.813340 1.608982 1.43420 1.276630 1.141274 1.022546 918100 .825970 .744482 672226 608000 .550782 .499694 .453986 .413010 .376206 .313244 .261938 .219880 .185216 .156506 .007838	### CHANNEL 3 4.759710 4.092172 3.526272 3.045212 2.635192 2.284812 1.726590 1.505226 1.314000 1.148762 1.005712 .881640 .773844 .680032 .598266 .526892 .4649892 .362030 .283140 .222134 .174766 .137854 .108992 .061130 .034558 .019826 .001330	6.235104 5.115026 4.211428 3.479176 2.883236 2.396294 1.396794 1.172000 .985296 .829826 .700052 .591484 .500470 .424024 .359700 .305488 .259724 .221040 .160544 .116996 .085514 .062668 .046036 .021486 .001315 .004824 .000128	1 .985088 .753220 .579722 .449238 .350582 .275578 .218234 .174134 .140016 .113458 .092658 .076264 .063260 .034540 .037798 .032314 .027824 .021058 .016356 .013012 .010580 .008774 .007404 .005168 .003880 .003072 .002532 .001870 .001490	LOLET 2 4.751914 3.546212 2.658520 2.002492 1.515770 1.153188 .881940 .678128 .524294 .407644 .318762 .250710 .198344 .157842 .126354 .101748 .082414 .067144 .055020 .045340 .031302 .022072 .015876 .011632 .008688 .00440 .001420 .000862 .000346 .000150	3 4.787510 3.569002 2.671826 2.008830 1.517042 1.150830 8.77032 671486 516528 309996 241858 1.89584 1.49304 1.18124 993880 074948 060094 048392 039132 025900 017408 011870 008204 005742 002470 001128 000540 000268	36. 597520 26. 943480 19.897690 14. 740790 10. 955350 8. 168322 6. 110108 4. 585428 3. 452448 2. 607872 1. 976290 1. 502474 1. 145890 876672 672776 517868 399814 309568 240374 1.87164 1.14388 0.70630 0.044038 0.02710 0.01588 0.002036 0.00240 0.00208

TABLE 12 H. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 35$ degrees

				L GEOMETRIC	FACTORS (cm²			
N	1	HILE 2	T CHANNEL 3	4	1	TOLE	T CHANNEL 3	4
.1 .2	. 147934 . 134830	1.043468 .894302	. 856588 . 723736	16.388230 13.322860	2.012342 1.493780	8.476186 6.216268	8.157534 5.974130	117.769300 85.539820
.3	. 123216	.769146	.613088	10.871230	1.115234	4.578290	4.392252	62.314900
, .4 .5	.112900 .103720	. 663746 . 574662	. 520660 . 443228	8.901530 7.312240	. 837760 . 633476	3.387126 2.517824	3.242512 2.404022	45.535500 33.380020
.6	.095538	.499104	.378180	6.024662	. 482372	1.881036	1.790348	24.549440
.7	.088226	.434796	. 323384	4.977572	.370044	1.412724	1.339536	18.115680
.8 .9	.081682 .075814	.379878 .332824	.277106 .237924	4.123014 3.423274	. 286102	1.066874	1.007064 .760870	13.414010 9.967452
1.0	.070538	. 292382	.204670	2.848522	.223022 .175340	.810340 .619178	.577788	7.432842
1.1	.065788	.257514	. 176382	2.375092	.139074	.476042	.441038	5.562774
1.2 1.3	.061502 .057628	.227364 .201214	. 152266 . 131664	1.984074 1.660322	.111312	.368326 .286840	.338432 .261084	4.178370 3.150002
1.4	.054116	. 178474	.114026	1.391650	.089920 .073320	.224866	. 202494	2.383452
1.5	.050930	.158646	.098898	1.168214	.060348	.177466	. 157898	1.810046
1.6 1.7	.048030 .045388	.141310 .126118	.085900 .074710	.982024 .826592	.050136 .042038	.141004 .112794	. 123784 . 097556	1.379 59 6 1.055312
1.8	.042974	.112770	.065062	.696612	.035566	.090836	.077288	.810136
1.9	.040766	. 101016	.056730	. 587742	.030358	.073640	.061548	.624108
2.0	.038742 .035170	.090644 .073340	.049522 .037864	.496420	.026132	.060094	. 049260	.482456
2.2 2.4	.032136	.059696	.029070	.355194 .255060	.019836 .015510	.040790 .028368	.032020 .021202	.291220 .178062
2.6	.029536	.048860	. 022 402	.183744	.012450	.020180	.014282	.110204
2.8	.027294	.040194	.017324	.132756	.010230	.014658	.009774	.068988
3.0 3.5	.025350 .021476	.033218 .020 9 96	.013440 .007214	.096168 .043390	.008578 .005934	.010848 .005482	. 006788 . 002882	.043650 .014498
4.0	.018612	.013562	.003932	.019822	.004436	.002998	.001306	.005074
4.5	.016428	.008916	.002170	.009150	.003506	.001738	.000622	.001856
5.0 6.0	.014714 .012216	.005948 .002740	.001212 .000388	.004262 .000946	.002884 .002122	.001052 .000420	.000308	.000706 .000112
7.0	.010488	.001308	.000128	.000748	.001584	.000182	.000024	.000020
8.0	.009228	.000640	.000044	.000050	.001404	.000082	.000008	.000004
9.0 10.0	.008268 .007514	.000320 .000162	.000014 .000006	.000012 .000002	.001216 .001080	.000040 .000018	.000002	.000000
10.0	.00/314	. 000102	.00000	.000002	.001080	.000010	. 000000	.000000
			NIDIRECTIONAL LET CHANNEL		FACTORS (cm ² tiply by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
.1	1 1 . 642184	HII 2 2.881556	LET CHANNEL	mu?1	tiply by 10 ⁻³	LOLE	3 5.003500	4 39.696480
.1 .2	1.642184 1.539930	HII 2 2.881556 2.537874	3 4.507664 3.889284	mult 4 5.791514 4.771164	1.002498 .768162	LOLET 2 4.970926 3.725686	3 5.003500 3.745448	39.696480 29.368620
.1 .2 .3	1.642184 1.539930 1.447492	HII 2 2.881556 2.537874 2.242100	4.507664 3.889284 3.363120	mult 4 5.791514 4.771164 3.944684	1.002498 .768162 .592574	LOLES 2 4.970926 3.725686 2.805734	3 5.003500 3.745448 2.816122	39.696480 29.368620 21.801740
.1 .2	1.642184 1.539930	HII 2 2.881556 2.537874	3 4.507664 3.889284	mult 4 5.791514 4.771164	1.002498 .768162	LOLET 2 4.970926 3.725686	3 5.003500 3.745448	39.696480 29.368620
.1 .2 .3 .4 .5	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514	2 2 . 881556 2 . 537874 2 . 242100 1 . 986614 1 . 765132 1 . 572468	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662	1 1.002498 .768162 .592574 .460320 .360160 .283880	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440
.1 .2 .3 .4 .5	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412	H11 2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322	1 1.002498 .768162 .592574 .460320 .360160 .283880 .225446	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098
.1 .2 .3 .4 .5	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514	2 2 . 881556 2 . 537874 2 . 242100 1 . 986614 1 . 765132 1 . 572468	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662	1 1.002498 .768162 .592574 .460320 .360160 .283880	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.257748 1.013840	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772	3 5.003500 3.745448 2.816122 2.126894 1.613894 1.230314 .942342 .725212 .560778 .435694	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154	1 1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 435694 .340116	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816	2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350362 .276972 .220190	3 5.003500 3.745448 2.816122 2.126894 1.613894 1.230314 .942342 .725212 .560778 .435694	39.696480 29.36620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .680230 .576530	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 .435694 .340116 .266754 .210184	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.74592 1.341686 1.034402
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.22692 .985456 .866060 .762012 .671200	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.393052 1.127520 .951154 .803736 .680230 .576530 .489294	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .055788	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 435694 .340116 .266754 .210184 .166368 .132276	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 913226 .824116 .745000 .674584 .611772 .555618 .505314	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .680230 .576530	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 .435694 .340116 .266754 .210184	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.74592 1.341686 1.034402
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .680230 .576530 .489294 .415770 .353698 .301214	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .055788 .047126 .040104 .034374	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 6.20692 .483006 .376960
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 .419564	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .680230 .576530 .489294 .415770 .353698 .301214 .256770	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .055788 .047126 .040104 .034374 .029672	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855698 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .376960
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.90032 1.127520 .951154 .803736 .680230 .576530 .489294 .415770 .353698 .301214 2.56770 .219088	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .055788 .047126 .040104 .034374 .029672 .025786	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 6.20692 .483006 .376960
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.0 2.0	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 .419564 .382992 .320170 .268710	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .223100	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .8080230 .576530 .489294 .415770 .353698 .301214 .256770 .219088 .159906 .117066	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .055788 .047126 .040104 .034374 .029672 .025586 .017590 .014040	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .566778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .029836 .020166	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 620692 .483006 .376960 .295032 .231542 .143732
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.2	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720746 .7207	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314 .40166 .419564 .382992 .320170 .268710 .26328	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .223100 .176076	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .680230 .489294 .415770 .353698 .3506530 .489294 .415770 .219088 .159906 .117066 .085934	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .095788 .047126 .040104 .034374 .029672 .025786 .022558 .017590 .014040	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 2.560778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .029836 .020166 .013810	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855698 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .376960 .295032 .231542 .143732 .090102
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.0 2.0	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 .419564 .382992 .320170 .268710	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .223100	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .680230 .576530 4815770 .353698 .301214 2.256770 .219088 .159906 .117066 .0055934	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .055788 .047126 .040104 .034374 .029672 .025586 .017590 .014040	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .566778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .029836 .020166	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 620692 .483006 .376960 .295032 .231542 .143732
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 3.5	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354 .561520 .532132 .505686 .449898	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 .419564 .382992 .320170 .268710 .226328 .191240 .162064 .108328	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .223100 .176076 .139290 .110428 .062306	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.990322 1.593456 1.339052 1.127520 .951154 .803736 .808230 .576530 .489294 .415770 .219088 .159906 .117066 .085934 .063232 .046628	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .055788 .047126 .040104 .034374 .029672 .022558 .017590 .014040 .011446 .009510	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232 .01356 .009942 .005054	3 5.003500 3.745448 2.816122 2.126982 1.633894 1.230314 942342 .725212 566778 .33694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .029836 .020166 .013810 .009574 .006714 .006714	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855698 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .376960 .295032 .231542 .143732 .090102 .057000 .036364 .023382 .007992
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354 .561520 .532132 .505686 .449898 .405312	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572668 1.404306 1.257066 1.127748 1.013840 913226 .824116 .745000 .674584 .611772 .555618 .505314 .40166 449564 .382992 .320170 .26328 .191240 .162064 .108328 .073370	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .40014 .361066 .283414 .23100 .176076 .139290 .110428 .062306	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.127520 .951154 .803736 .680230 .576530 .489294 .415770 .353698 .301214 .256770 .219088 .159906 .117066 .085934 .063232 .0466228 .021950	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .095788 .047126 .040104 .034374 .029672 .025786 .022558 .017590 .011446 .099510 .008040 .008040 .008040 .008040	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 9.49406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232 .013356 .009942 .005054	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 2.560778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .029836 .020166 .013810 .009574 .006714 .002890 .001314	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855698 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .376960 .376960 .295032 .231542 .143732 .090102 .057000 .036364 .023382 .007992 .002840
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354 .561520 .532132 .505686 .449898 .405312 .368838	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 .419564 .382992 .320170 .268710 .226328 .191240 .162064 .108328	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .23100 .176076 .139290 .110428 .062306 .035508	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.90032 1.593456 1.339052 1.127520 .951154 .803736 .680230 .576530 489294 .415770 .353698 .301214 2.26770 .219088 .159906 .117066 .085934 .063232 .046628 .021950 .010432	1.002498 .768162 .592574 .460320 .360160 .263880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .095788 .047126 .040104 .034374 .029672 .025786 .022558 .017590 .014040 .011446 .009510 .008040 .005628 .004230 .004330	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232 .013356 .009942 .005054 .002762	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 .435694 .340116 .266754 .210184 .165363 .084712 .06826 .044776 .029836 .020166 .013810 .009574 .006714 .002890 .001314 .000626	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279538 1.341686 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .295032 .231542 .143732 .090102 .057000 .036364 .023382 .007992 .002840 .001044
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .532132 .505686 .449898 .405312 .368838 .38418 .290476	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 .913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 .419564 .38292 .320170 .268710 .226328 .191240 .162064 .108328 .073370 .050224 .034682 .016884	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .223100 .176076 .139290 .110428 .062306 .035508 .020404 .011804	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.393952 1.127520 .951154 .803736 .808230 .576530 .489294 .415770 .219088 .15970 .117066 .085934 .063232 .046628 .021950 .010432 .004998 .002410	1.002498 .768162 .592574 .460320 .360160 .283880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .095788 .047126 .040104 .034374 .029672 .025786 .022558 .017590 .011446 .099510 .008040 .008040 .008040 .008040	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 .949406 .733828 .570344 .445772 .350302 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232 .018232 .0019942 .005054 .002762	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 942342 .725212 2.566778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .029836 .020166 .013810 .009574 .006282 .006326 .000308 .000082	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .376960 .295032 .231542 .143732 .090102 .057000 .036364 .023382 .007992 .002840 .001044 .000196
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 5 4.5 5 6.0 7	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354 .561520 .532132 .505686 .449898 .405312 .368838 .338418 .290476 .254308	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572668 1.404306 1.257066 1.127748 1.013840 913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 4.49564 .382992 .320170 .268710 .226328 .191240 .162064 .108328 .073370 .050224 .034682 .016884 .008394	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .223100 .176076 .139290 .110428 .062306 .035508 .020404 .011804 .004018 .001392	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.127520 .951154 .803736 .680230 .576530 .489294 .415770 .353698 .301214 .256770 .219088 .159906 .117066 .085934 .063232 .046628 .021950 .010432 .004998 .002410 .000568 .000136	1.002498 .768162 .592574 .460320 .360160 .263880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .095788 .047126 .040104 .034374 .029672 .025786 .022558 .017590 .014040 .011446 .009510 .008040 .001446 .009510 .008040 .005628 .004230 .003352 .002762	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232 .013356 .009942 .005054 .002762	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 2.560778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .02936 .020166 .013810 .009574 .00626 .00308 .000289 .000082	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855698 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .376960 .376960 .295032 .231542 .143732 .090102 .057000 .036364 .023382 .007992 .002840 .001044
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6 2.8 3.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354 .561520 .532132 .505686 .449898 .405312 .368838 .338418 .290476 .254308	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572468 1.404306 1.257066 1.127748 1.013840 913226 .824116 .745000 .674584 .611772 .555618 .505314 .409166 .419564 .382992 .320170 .268710 .268710 .226328 .191240 .162064 .108328 .073370 .050224 .034682 .016884 .008394 .008394	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .23100 .176076 .139290 .110428 .062306 .035508 .020404 .011804 .004018 .001392 .000488	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.593456 1.339052 1.127520 .951154 .803736 .680230 .576530 489294 .415770 .353698 .301214 2.256770 .219088 .159906 .117066 .085934 .063232 .046628 .021950 .010432 .004998 .002410 .000568 .000136	1.002498 .768162 .592574 .460320 .360160 .263880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .095788 .047126 .040104 .034374 .029672 .025786 .022558 .017590 .011446 .009510 .008040 .011446 .009510 .008040 .005628 .004230 .003352 .002762 .002038 .001622 .001360	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232 .013356 .009942 .005054 .002762	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 .560778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .029836 .020166 .013810 .009574 .006714 .002890 .001314 .000626 .000082 .0000082	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855098 5.178520 3.925694 2.986318 2.279538 1.341686 1.745928 1.341686 1.745928 1.341686 2.76506 2.95032 2.31542 2.143732 0.90102 0.57000 0.36364 0.23382 0.07992 0.02840 0.01044 0.00396 0.000062
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 5 4.5 5 6.0 7	1.642184 1.539930 1.447492 1.363746 1.287704 1.218514 1.155412 1.097744 1.044928 .996450 .951864 .910768 .872816 .837694 .805130 .774874 .746716 .720458 .695930 .672974 .631252 .594354 .561520 .532132 .505686 .449898 .405312 .368838 .338418 .290476 .254308	2 2.881556 2.537874 2.242100 1.986614 1.765132 1.572668 1.404306 1.257066 1.127748 1.013840 913226 .824116 .745000 .674584 .611772 .555618 .505314 .460166 4.49564 .382992 .320170 .268710 .226328 .191240 .162064 .108328 .073370 .050224 .034682 .016884 .008394	4.507664 3.889284 3.363120 2.914180 2.530128 2.200754 1.917606 1.673638 1.462978 1.280708 1.122692 .985456 .866060 .762012 .671200 .591822 .522344 .461450 .408014 .361066 .283414 .223100 .176076 .139290 .110428 .062306 .035508 .020404 .011804 .004018 .001392	5.791514 4.771164 3.944684 3.272166 2.722580 2.271662 1.900322 1.127520 .951154 .803736 .680230 .576530 .489294 .415770 .353698 .301214 .256770 .219088 .159906 .117066 .085934 .063232 .046628 .021950 .010432 .004998 .002410 .000568 .000136	1.002498 .768162 .592574 .460320 .360160 .263880 .225446 .180416 .145502 .118264 .096878 .079980 .066544 .095788 .047126 .040104 .034374 .029672 .025786 .022558 .017590 .014040 .011446 .009510 .008040 .001446 .009510 .008040 .005628 .004230 .003352 .002762	4.970926 3.725686 2.805734 2.123384 1.615174 1.235026 949406 .733828 .570344 .445772 .350382 .276972 .220190 .176046 .141550 .114452 .093056 .076074 .062528 .051664 .035816 .025320 .018232 .013356 .009942 .005054 .002762	3 5.003500 3.745448 2.816122 2.126982 1.613894 1.230314 .942342 .725212 2.560778 .435694 .340116 .266754 .210184 .166368 .132276 .105630 .084712 .068220 .055160 .044776 .02936 .020166 .013810 .009574 .00626 .00308 .000289 .000082	39.696480 29.368620 21.801740 16.240320 12.139760 9.106440 6.855698 5.178520 3.925694 2.986318 2.279536 1.745928 1.341686 1.034402 .800036 .620692 .483006 .376960 .376960 .376960 .295032 .231542 .143732 .090102 .057000 .036364 .023382 .007992 .002840 .001044

TABLE 12 I. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 40$ degrees

				L GEOMETRIC	FACTORS (cm²			
Ħ	1	S HITE	T CHANNEL 3	4	1	LOLE 2	T CHANNEL 3	4
.1	. 145410	1.009426	. 820332	15.485160	2.088974	9.149212	8.834934	132.932300
.2	. 132934	.869506	. 696040	12.642110	1.551914	6.719082	6.478488	96.733340
.3 .4	.121842 .111962	.751566 .651778	. 592104 . 504926	10.359550 8.518492	1.159670 .871996	4.956000 3.672456	4.769674 3.526424	70.613140 51.713760
.5	. 103142	.567036	.431594	7.027020	.660072	2.734618	2.618742	38.000220
.6	. 09 52 56	.494814	.369732	5.813788	.503208	2.046730	1.953618	28.020060
.7 .8	.088188 .081846	. 433048 . 380046	.317406 .273032	4.823112 4.011274	. 386512 . 299234	1.540120 1.165412	1.464366	20.734520 15.399110
.9	.076140	.334416	.235310	3.343784	.233584	.887016	.835056	11.478970
1.0	.070996	. 295010	.203164	2.793284	. 183912	. 679200	. 635446	8.588954
1.1 1.2	.066354 .062152	.260874 .231218	.175708 .152210	2.337982 1.960424	. 146092 . 117110	. 523302 . 405754	. 486092 . 373820	6.450970 4.863712
1.3	.058342	.205384	. 132058	1.646574	.094748	.316652	.289020	3.681066
1.4	.054884	. 182816	.114740	1.385096	.077374	.248740	.224658	2.796654
1.5 1.6	.051734 .048864	. 163054 . 145702	.099830 .086972	1.166802 .984208	.063778 .053060	. 196686 . 156560	. 175564 . 137928	2.132822 1.632704
1.7	.046242	. 130432	.075866	.831206	.044550	. 125444	. 108930	1.254512
1.8	.043840	.116966	.066256	.702792	.037740	.101172	.086472	.967454
1.9 2.0	.041640 .039616	. 105062 . 094516	.057928 .050700	. 594848 . 503984	.032248 .027790	.082126 .067090	.068992 .055316	.748762 .581536
2.2	.036040	.076838	.038958	.362766	.021132	.045604	.036068	.354362
2.4	.032986	.062808	.030046	.261980	.016544	.031734	.023942	.218722
2.6 2.8	. 030364 . 028098	.051600 .042588	.023252 .018050	.189748 .137794	.013292 .010928	.0225 68 .016374	.016158 .011070	. 136628 . 086300
3.0	.026124	.035298	.014052	.100302	.009166	.012098	.007690	.055070
3.5	.022178	.022442	.007600	.045756	.006340	.006078	.003260	.018636
4.0 4.5	.019250 .017008	.014558 .009600	.004168 .002312	.021102 .009822	.004738 .003742	.003302 .001902	.001470	.006616 .002444
5.0	.015246	.006420	.001296	.004608	.003074	.001146	.000342	.000932
6.0	.012670	.002966	.000418	.001034	.002260	.000456	.000090	.000148
7.0 8.0	.010884 .009578	.001418 .000694	.000138 .000046	.000236 .000056	.001790 .001492	.000196 .000090	.000026	.000026
9.0	.008584	.000348	.000016	.000014	.001290	.000042	.000002	.000000
10.0	.007802	.000176	.000006	,000004	.001146	.000020	.000000	.000000
	HILET CHAN	DOSE ON	NIDIRECTIONA multiply by	L GEOMETRIC	FACTORS (cm² LOLET CHANNE			
	HILET CHAN	DOSE ON NEL 1	NIDIRECTIONA multiply by 3	L GEOMETRIC 10 ⁻³			3	4
N .1		NEL 1	multiply by	10 ⁻³	LOLET CHANNE	i.	3 5.193576	4 42.223280
.1 .2	1 1.604086 1.507416	NEL 2 2 2.766834 2.445558	4.281940 3.705098	10 ⁻³ 4 5.424822 4.482510	1.019306 .782518	5.157914 3.879412	5.193576 3.900778	31.359700
.1 .2 .3	1 1.604086 1.507416 1.419814	2 . 766834 2 . 445558 2 . 168076	4.281940 3.705098 3.212792	10 ⁻³ 4 5.424822 4.482510 3.717050	1.019306 .782518 .604880	5.157914 3.879412 2.932396	5.193576 3.900778 2.943348	31.359700 23.376180
.1 .2	1 1.604086 1.507416	NEL 2 2 2.766834 2.445558	4.281940 3.705098	10 ⁻³ 4 5.424822 4.482510	1.019306 .782518	5.157914 3.879412	5.193576 3.900778	31.359700
.1 .2 .3 .4 .5	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518	4.281940 3.705098 3.212792 2.791484 2.42998 2.119076	5.424822 4.482510 3.717050 3.092364 2.580382 2.159086	1.019306 .782518 .604880 .470900 .369286 .291772	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072	31.359700 23.376180 17.489560 13.134140 9.900302
.1 .2 .3 .4 .5 .6	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518 1 .375478	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018	5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122	1.019306 .782518 .604880 .470900 .369286 .291772 .232292	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668
.1 .2 .3 .4 .5 .6 .7 .8	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518	4.281940 3.705098 3.212792 2.791484 2.42998 2.119076	5.424822 4.482510 3.717050 3.092364 2.580382 2.159086	1.019306 .782518 .604880 .470900 .369286 .291772	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072	31.359700 23.376180 17.489560 13.134140 9.900302
.1 .2 .3 .4 .5 .6 .7 .8 .9	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518 1 .375478 1 .234862 1 .110936 1 .001416	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866	5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410
.1 .2 .3 .4 .5 .6 .7 .8 .9	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .986780 .945776	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518 1 .375478 1 .234862 1 .110936 1 .001416 .904360	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634	5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 .915908	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .869320	2.766834 2.445558 2.168076 1.927522 1.718232 1.535518 1.375478 1.234862 1.110936 1.001416 .904360 .818126 .741330	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954	10 ⁻³ 4 5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 775814 .658134	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .370984 .300986 .240310	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.9652636 1.517500
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .988780 .945776 .906062 .869320 .835258	2 . 766834 2 . 445558 2 . 168076 1 . 927522 1 . 718232 1 . 535518 1 . 375478 1 . 234862 1 . 1001416 . 904360 . 818126 . 741330 . 672774	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778	10-3 4 5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .658134 .559068	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.96263 1.517500 1.177284
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .869320	2.766834 2.445558 2.168076 1.927522 1.718232 1.535518 1.375478 1.234862 1.110936 1.001416 .904360 .818126 .741330	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954	10 ⁻³ 4 5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 775814 .658134	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518 1 .375478 1 .234862 1 .110936 1 .001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118	10-3 \$.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775816 .658134 .559068 .475516 .404924 .345184	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.956236 1.517500 1.177284 .916338 715594 .560388
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .845776 .906062 .845776 .906062 .845776 .906062 .845776 .906062 .845776 .906062 .845776 .906062	2.766834 2.445558 2.168076 1.927522 1.718232 1.535518 1.375478 1.234862 1.10936 1.001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076 .462636	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424	10-3 4 5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .658134 .559068 .475516 .404924 .345184 .294554	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536 .042244 .036282	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116 .084564	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715494 .560388 .440204
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518 1 .375478 1 .234862 1 .110936 1 .001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118	10-3 \$.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775816 .658134 .559068 .475516 .404924 .345184	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.956236 1.517500 1.177284 .916338 715594 .560388
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .6774672 .633762	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518 1 .375478 1 .234862 1 .110936 1 .001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076 .462636 .422576 .386400 .324056	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424 .403332 .357472 .281412	10-3 \$.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .658134 .559068 .475516 .404924 .24554 .215066 .157538	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536 .049236 .049244 .036282 .031374 .027312 .023928	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116 .084564 .069702 .057736 .040184	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958 .075956 .061642 .050210	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715594 .560388 .440204 .346780 .277930 .172258
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .633762	2 . 766834 2 . 445558 2 . 168076 1 . 927522 1 . 718232 1 . 535518 1 . 375478 1 . 234862 1 . 110936 1 . 1001416 . 904360 . 818126 . 741330 . 672774 . 611444 . 556462 . 507076 . 462636 . 422576 . 386400 . 324056 . 272774	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 8.47104 .746778 .659008 .582118 .514668 .455424 .403332 .357472 .281412	10-3 4 5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .658134 .559068 .475516 .404924 .345184 .294554 .251582 .215066 .157538 .115724	LOLET CHAMNE 1	1. 2 5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116 .084564 .069702 .057736 .040184 .028482	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .075956 .061642 .050210 .033668 .022876	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962633 1.517500 1.177284 .916338 .715494 .560388 .440204 .346780 .273930 .172258 .109366
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .6774672 .633762	2 .766834 2 .445558 2 .168076 1 .927522 1 .718232 1 .535518 1 .375478 1 .234862 1 .110936 1 .001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076 .462636 .422576 .386400 .324056	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424 .403332 .357472 .281412	10-3 \$.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .658134 .559068 .475516 .404924 .24554 .215066 .157538	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536 .049236 .049244 .036282 .031374 .027312 .023928	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116 .084564 .069702 .057736 .040184	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .387634 .289630 .229226 .18236 .145514 .116688 .093958 .075956 .061642 .050210 .033668 .022876	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715594 .560388 .440204 .346780 .277930 .172258
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .633762 .597496 .565156 .536156	2 .766834 2.445558 2.168076 1.927522 1.718232 1.535518 1.375478 1.234862 1.110936 1.001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076 .462636 .422576 .386400 .324056 .272774 .230370 .195142 .165750	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424 .40332 .357472 .281412 .222122 .175744	10-3 \$ 4 \$.424822 4 .482510 3 .717050 3 .092364 2 .580382 2 .159086 1 .811122 1 .522738 1 .282974 1 .083052 915908 .775814 .559068 .475516 .404924 .24554 .251582 .215066 .157538 .115724 .085220 .062896 .046512	LOLET CHAMNE 1 1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536 .04928	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116 .084564 .069702 .057736 .040184 .028482 .020536 .015046 .011190	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958 .075956 .061642 .050210 .033668 .022876 .015734 .010944 .007692	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715594 .560388 .440204 .346780 .277930 .172258 .109366 .070050 0.45228 .029416
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 3.5 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .597496 .565156 .536156 .510014 .454728	2 . 766834 2. 445558 2. 168076 1. 927522 1. 718232 1. 535518 1. 375478 1. 234862 1. 1001416 . 904360 .818126 .741330 .672774 .611444 .556462 .507076 .462636 .422576 .386400 .324056 .272774 .230370 .195142 .165750 .111354	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424 .403332 .357472 .281412 .222122 .175744 .139352 .110714 .062768	10-3 4 5.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .658134 .559068 .475516 .404924 .345184 .294554 .251582 .215066 .157538 .115724 .085220 .062896 .046512	LOLET CHAMNE 1	1. 2 5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .240310 .103116 .084564 .069702 .057736 .040184 .028482 .020536 .015046 .011190 .005656	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958 .001642 .050210 .032686 .015734 .010944 .007692 .003318	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715494 .560388 .440204 .346780 .273930 .172258 .109366 .070050 .045228 .029416 .010322
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .633762 .597496 .565156 .536156	2 .766834 2.445558 2.168076 1.927522 1.718232 1.535518 1.375478 1.234862 1.110936 1.001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076 .462636 .422576 .386400 .324056 .272774 .230370 .195142 .165750	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424 .40332 .357472 .281412 .222122 .175744	10-3 \$ 4 \$.424822 4 .482510 3 .717050 3 .092364 2 .580382 2 .159086 1 .811122 1 .522738 1 .282974 1 .083052 915908 .775814 .559068 .475516 .404924 .24554 .251582 .215066 .157538 .115724 .085220 .062896 .046512	LOLET CHAMNE 1 1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536 .04928	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116 .084564 .069702 .057736 .040184 .028482 .020536 .015046 .011190	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958 .075956 .061642 .050210 .033668 .022876 .015734 .010944 .007692	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715594 .560388 .440204 .346780 .277930 .172258 .109366 .070050 0.45228 .029416
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.2 2.4 2.6 2.2 2.4 2.6 3.5 4.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.085180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .633762 .597496 .555156 .536156 .536156 .536156 .510014 .454728 .410404 .374054	2 .766834 2.445558 2.168076 1.927522 1.718232 1.535518 1.375478 1.234862 1.110936 1.001416 .904360 .818126 .741330 .672774 .611444 .556462 .507076 .462636 .422576 .386400 .324056 .272774 .230370 .195142 .165750 .111354 .075740 .052038 .036050	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424 .403332 .357472 .281412 .222122 .175744 .13952 .110714 .062768 .035916 .020710	10-3 \$ 4 \$.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .558134 .559068 .475516 .404924 .24554 .251582 .215066 .157538 .115724 .085220 .062896 .040512 .022036 .010532 .005070 .002454	LOLET CHAMNE 1 1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069624 .058510 .049536 .042244 .036282 .031374 .027312 .023928 .018706 .014958 .012210 .010156 .008590 .006016 .004520 .003578	1. 2 5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .240310 .192928 .155736 .040184 .069702 .057736 .040184 .028482 .020536 .01190 .005656 .003068 .001760	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182236 .145514 .116688 .093958 .075956 .061642 .050210 .033668 .022876 .015734 .010944 .007692 .003318 .001504	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715494 .560388 .440204 .346780 .2773930 .172258 .109366 .070050 .045228 .029416 .010322 .003748 .001402
.1 .2 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5 3.5 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .597496 .565156 .536156 .536156 .536156 .536156 .536156 .5374094 .343672	2 . 766834 2 . 445558 2 . 168076 1 . 927522 1 . 718232 1 . 535518 1 . 375478 1 . 234862 1 . 1001416 1 . 001416 1 . 001416 2 . 904360 818126 741330 672774 611444 . 556462 . 507076 . 462636 . 422576 . 386400 . 324056 . 272774 . 230370 . 195142 . 165750 . 111354 . 075740 . 052038 . 036050 . 017646	### A 19 A	10-3 \$ 4 \$.424822 4 .482510 3 .717050 3 .092364 2 .580382 2 .159086 1 .811122 1 .522738 1 .282974 1 .083052 9 15908 .775814 .658134 .559068 .475516 .404924 .345184 .294554 .251582 .215066 .157538 .115724 .085220 .062896 .046512 .022036 .010532 .005070 .002454 .000584	LOLET CHAMNE 1	1. 2 5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .240310 .192928 .155736 .126390 .103116 .084564 .069702 .057736 .040184 .028482 .020536 .011506 .011990 .005656 .003068	5.193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .387634 .289630 .29226 .182236 .145514 .116688 .093958 .075956 .061642 .050210 .032876 .015734 .010944 .00712 .000318 .001504 .000712	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962636 1.517500 1.177284 .916338 .715494 .560388 .440204 .346780 .273930 .172258 .109366 .070050 .045228 .029416 .010322 .003748 .001402 .000538 .000084
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 4.5 2.8 3.6 3.6 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .985780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .633762 .565156 .510014 .454728 .410404 .374054 .343672 .295666 .259344 .343672	2 .766834 2.445558 2.168076 1.927522 1.718232 1.535518 1.375478 1.234862 1.110936 1.001416 .904350 .818126 .741330 .672774 .611444 .556462 .507076 .462636 .422576 .386400 .324056 .272774 .230370 .195142 .165750 .111354 .075740 .052038 .036050 .017646 .008812 .008468	4.281940 3.705098 3.212792 2.791484 2.429998 2.119076 1.851018 1.619400 1.418854 1.244866 1.093634 .961954 .847104 .746778 .659008 .582118 .514668 .455424 .403332 .357472 .22122 .175744 .139352 .110714 .062768 .03210 .00410 .00410	10-3 \$ 4 \$.424822 4 .482510 3 .717050 3 .092364 2 .580382 2 .159086 1 .811122 1 .522738 1 .282974 1 .083052 9 .15908 .775814 .658134 .559068 .475516 .404924 .345184 .294554 .215066 .157538 .115724 .085220 .062896 .046512 .022036 .010532 .005070 .002454 .000584 .000140 .000034	1.019306 .782518 .604880 .470900 .369286 .291772 .232292 .186368 .150694 .122802 .100856 .083476 .069524 .058510 .049536 .042244 .036282 .031374 .027312 .023928 .018706 .014958 .012210 .010156 .008590 .006016 .004520 .003578 .002946 .0021728 .001728	5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 783292 .611538 .480132 .379084 .30986 .240310 .192928 .155736 .126390 .103116 .084564 .067736 .040184 .028482 .020536 .011190 .005656 .001056 .001056 .000180 .000180	5. 193576 3.900778 2.943348 2.231404 1.699772 1.301072 1.000742 .773490 .600750 .468836 .367634 .289630 .229226 .182336 .145514 .116688 .093958 .075956 .061642 .050210 .013668 .022876 .015734 .01974 .007692 .003318 .001504 .000712 .000348 .000092	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.686694 4.336224 3.317410 2.547134 1.965236 1.517500 1.177284 .916338 .715494 .560388 .440204 .346780 .273930 .172258 .109366 .070050 .045228 .029416 .010322 .003748 .001402 .000538 .000084 .000014
.1 .2 .4 .5 .67 .8 .9 1.01 1.2 1.3 1.4 1.5 1.7 1.8 2.0 2.2 2.4 4.5 5.0 6 7.0 6 7.0 6 7.0 6 7.0 6 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1 1.604086 1.507416 1.419814 1.340258 1.267854 1.201818 1.141462 1.086180 1.035444 .988780 .945776 .906062 .869320 .835258 .803622 .774182 .746740 .721112 .697138 .674672 .633762 .597496 .565156 .536156 .510014 .454728 .410404 .374054 .343672 .295666 .259344	2 . 766834 2 . 445558 2 . 168076 1 . 927522 1 . 718232 1 . 735518 1 . 375478 1 . 234862 1 . 110936 1 . 001416 . 904360 . 818126 . 741330 . 672774 . 611444 . 556462 . 507076 . 462636 . 422576 . 386400 . 324056 . 272774 . 230370 . 195142 . 1657540 . 111354 . 075740 . 052038 . 036050 . 017646 . 008812	### A 19 A	10-3 \$.424822 4.482510 3.717050 3.092364 2.580382 2.159086 1.811122 1.522738 1.282974 1.083052 915908 .775814 .658134 .559068 .475516 .404924 .345184 .294554 .251582 .215066 1.57538 1.15724 .085220 .062896 .046512 .022036 .010532 .005070 .002454 .000140	LOLET CHANNE 1	1. 2 5.157914 3.879412 2.932396 2.227954 1.701666 1.306698 1.008898 .783292 .611538 .480132 .379084 .300986 .240310 .192928 .155736 .126390 .103116 .084564 .069702 .057736 .040184 .028482 .020536 .015046 .01190 .005656 .003068 .001760	5.193576 3.900778 2.943348 2.231404 1.699772 1.000742 .773490 .600750 .468836 .289630 .229226 .18236 .145514 .116688 .093958 .075956 .061642 .050210 .033668 .022876 .015734 .010944 .007692 .003318 .001504 .000712 .000348	31.359700 23.376180 17.489560 13.134140 9.900302 7.490668 5.688694 4.336224 3.317410 2.547134 1.962633 1.517500 1.177284 916338 .715494 .560388 .440204 .346780 .273930 .172258 .109366 .070050 .045228 .029416 .010322 .003748 .001402 .000538

TABLE 12 J. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 45$ degrees

				GEOMETRIC	FACTORS (cm²			
N	1	NILE 2	T CHANNEL 3	4	1	LOLE 2	T CHANNEL 3	4
			_	•	_	_		•
.1 .2	. 143020 . 131104	.978942 .846830	.788418 .671178	14.669210 12.018230	2.156234 1.602896	9.785696 7.194614	9.460156 6.944218	147.060800 107.169800
.3	.120480	.735046	.572836	9.882794	1.198610	5.313276	5.118454	78.355900
.4	.110992	. 640098	. 490094	8.154592	.901978	3.942462	3.789044	57.484300
.5 .6	. 102500 . 094886	. 559144 . 489874	.420270 .361182	6.749814 5.603212	.683348 .521434	2.939904 2.203766	2.817590 2.105044	42.320780 31.270160
.7	.088046	.430392	.311040	4.663794	.400908	1.660992	1.580346	23.191060
.8	.081888	.379142	.268382	3.891352	.310704	1.259036	1.192378	17.264780
.9 1.0	.076336 .071320	.334842 .296432	.232002 .200900	3.254132 2.726862	.242808 .191392	.959984 .736424	.904280 .689388	12.902720 9.680622
1.1	.066778	.263026	.174254	2.289342	.152212	. 568452	. 528362	7.291950
1.2	.062660	.233892	. 151376	1.925360	.122160	.441592	.407126	5.514558
1.3 1.4	.058916 .055508	.208412 .186072	.131694 .114728	1.621838 1.368176	. 098948 . 080898	.345262 .271708	.315402 .245664	4.187044 3.191728
1.5	.052400	. 166436	.100080	1.155754	.066756	.215224	.192370	2.442602
1.6	.049560	.149134	.087410	.977540	.055596	.171600	.151438	1.876588
1.7 1.8	.046958 .044574	. 133856 . 120336	.076432 .066908	.827768 .701700	.046724 .039616	.137706 .111216	.119 838 .095316	1.447262
1.9	.042382	. 108346	.058632	.595430	.033880	.090390	.076190	.870466
2.0	.040364	.097692	.051432	. 505726	.029216	.073918	.061198	.678734
2.2 2.4	.036786 .033722	.079748 .065432	. 039684 . 030726	.365762 .265348	.022240	.050322	.040036	.416920 .259428
2.6	.031082	.053934	.023866	. 193024	.017424 .014006	.035040 .024916	.026650 .018026	.163368
2.8	.028794	.044646	.018590	. 140754	.011516	.018060	.012370	.104010
3.0	.026796	.037102	.014518	. 102864	.009660	.013324	.008604	.066884
3.5 4.0	.022790 .019804	.023714 .01 544 2	.007906 .004360	.047352 .022016	. 006678 . 004988	.006654 .003588	.003648 .001642	.023040
4.5	.017512	.010212	.002430	.010320	.003936	.002054	.000774	.003102
5.0	.015706	.006844	.001366	.004872	.003234	.001228	.000378	.001194
6.0 7.0	.013060 .011222	.003170 .001518	.000442 .000146	.001104 .000256	.002374 .001882	.000484 .000208	.000100 .000028	.000190
8.0	.009878	.000744	.000050	.000060	.001568	.000208	.000028	.000006
9.0	.008854	.000372	.000018	. 000014	.001354	.000044	. 000002	.000002
10.0	.008048	.000188	.000006	.000004	.001202	.000022	.000000	.000000
			NIDIRECTIONAL ET CHANNEL		FACTORS (cm ² iply by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
N .1	1 1.567946	HIL	ET CHANNEL	mult	iply by 10 ⁻³	LOLET		4
.1 .2	1.567946 1.476188	HIL 2 2.662622 2.360278	3 4.085690 3.542974	mult 4 5.101944 4.226740	1 1.034208 .795202	LOLET 2 5.333466 4.023028	3 5.359478 4.036166	44.456940 33.117600
.1 .2 .3	1.567946 1.476188 1.392860	HIL 2 2.662622 2.360278 2.098380	3 4.085690 3.542974 3.078744	5.101944 4.226740 3.513904	1.034208 .795202 .615728	LOLET 2 5.333466 4.023028 3.050358	3 5.359478 4.036166 3.054272	44.456940 33.117600 24.766000
.1 .2 .3 .4	1.567946 1.476188 1.392860 1.317026	2 2.662622 2.360278 2.098380 1.870666	3 4.085690 3.542974 3.078744 2.680584	5.101944 4.226740 3.513904 2.930650	1 1.034208 .795202 .615728 .480216	LOLET 2 5.333466 4.023028 3.050358 2.325206	3 5.359478 4.036166 3.054272 2.322586	44.456940 33.117600 24.766000 18.593060
.1 .2 .3 .4 .5	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666	2 2 . 662622 2 . 360278 2 . 098380 1 . 870666 1 . 671968 1 . 497990	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984	1 1.034208 .795202 .615728 .480216 .377316	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110
.1 .2 .3 .4 .5 .6	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790	2 2 . 662622 2 . 360278 2 . 098380 1 . 870666 1 . 671968 1 . 497990 1 . 345166	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048	mult 4 5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760
.1 .2 .3 .4 .5 .6	1.567946 1.476188 1.392860 1.317026 1.247868 1.126790 1.073678	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580	1 1.034208 .795202 .615728 .480216 .377316 .298718 .28318 .191612	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 829600	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.074836 .979838	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074	mult 4 5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580 1.22981 1.040402 .881616	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 406298	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866	2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .892322	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 937432	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580 1.229878 1.040402 881616 .748232	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866 .864254 .831186	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580 1.229878 1.040402 .881616 .748232 .635936 .541206	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .086558 .072338	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 979838 938294 .899866 .864254 .81186	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607820	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580 1.229878 1.040402 .881616 .748232 .635936 .461142	1 1 .034208	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866 .864254 .831186 .800426	2 . 662622 2 . 360278 2 . 098380 1 . 870666 1 . 671968 1 . 497990 1 . 345166 1 . 210504 1 . 091498 . 986032 . 892322 . 808848 . 734320 . 667626 . 607820 . 554084	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728	**************************************	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .066558 .072338 .060906	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .310424 .246652 .196858 .157798 .127018	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 .803658
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 979838 938294 .899866 .864254 .81186	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607820	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580 1.229878 1.040402 .881616 .748232 .635936 .461142	1 1 .034208	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 979838 938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 986032 .892322 .808848 .734320 .667626 .607820 .554084 .505710 .462088 .422684	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .645186 .57028 .505298 .447736 .397036	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580 1.229878 1.040402 .881616 .748232 .635936 .541206 .461142 .393360 .335888 .287084 .245588	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .125802 .104362 .086558 .072338 .060906 .051656 .044124 .037954	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .550250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .002654 .083286 .067824	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 .803658 .632802 .499762 .395828
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607620 .554084 .505710 .462088 .422684 .387034	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .397036 .352334	**************************************	1 1.034208 .795202 .615728 .480216 .377316 .298718 .298718 .191612 .155268 .126802 .104362 .006558 .072338 .060906 .051656 .044124 .037954 .028644	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .087824 .067824	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 .803658 .632802 .499762 395828 .314370
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .717982 .696544 .674554 .598810	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 986032 .892322 .808848 .734320 .667626 .607820 .554084 .505710 .462088 .422684	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .645186 .57028 .505298 .447736 .397036	5.101944 4.226740 3.513904 2.930650 2.451378 2.055984 1.728590 1.456580 1.229878 1.040402 .881616 .748232 .635936 .541206 .461142 .393360 .335888 .287084 .245588	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .125802 .104362 .086558 .072338 .060906 .051656 .044124 .037954	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .550250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .635406 .498578 .392484 .310424 .246652 .196858 .157798 .12701 .102654 .083286 .067824 .053430	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 .803658 632802 .499762 .395828 .314370 .199832
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 97838 938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974	2. 662622 2. 360278 2. 098380 1. 870666 1. 671968 1. 497990 1. 345166 1. 210504 1. 091498 .986032 .892322 .808848 .734320 .667626 .607820 .554084 .505710 .462088 422684 .387034 .325424 .274570 .232388	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .645186 .570728 .505298 .447736 .397036 .352334 .278026 .219936 .174374	*** *** *** *** *** *** *** *** *** **	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .032864 .025120 .019670 .015746 .012862	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .550250 5.12558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .067824 .055430 .037398 .025548	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 499762 395828 314370 1.99832 128240 083008
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974 .538376	2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892822 .808848 .734320 .667626 .607620 .554084 .505710 .462088 .422684 .387034 .325424 .274570 .232388 .197240	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .397036 .352334 .278026 .219936 .174374 .138532	**************************************	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .022864 .025120 .019670 .015746 .012862 .010700	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880 .016774	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .310424 .246652 .196789 .127018 .102654 .087824 .087824 .037398 .025548 .012328	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 4.99762 3.95828 3.14370 1.99832 1.28240 0.83008
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 97838 938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974	2. 662622 2. 360278 2. 098380 1. 870666 1. 671968 1. 497990 1. 345166 1. 210504 1. 091498 .986032 .892322 .808848 .734320 .667626 .607820 .554084 .505710 .462088 422684 .387034 .325424 .274570 .232388	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .645186 .570728 .505298 .447736 .397036 .352334 .278026 .219936 .174374	**************************************	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .032864 .025120 .019670 .015746 .012862	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .550250 5.12558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .067824 .055430 .037398 .025548	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 499762 395828 314370 1.99832 128240 083008
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 3.0 3.0 4.0 3.0 4.0 4.0 4.0 4.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .97838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974 .538376 .512558 .457832 .413838	#IL. 2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .9860322 .892322 .808848 .734320 .667626 .607820 .554084 .505710 .462088 4.32684 .387034 .325424 .274570 .232388 .197240 .167838 .113202 .077252	3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .352334 .278026 .219036 .312334 .278026 .219036 .174374 .138532	*** *** *** *** *** *** *** *** *** **	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .028644 .025120 .019670	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880 .016774 .012468 .006274	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .067824 .055430 .037398 .025548 .012328 .008692 .003766	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 499762 395828 314370 1.99832 1.28240 0.83008 0.54148 0.35572 0.12780 0.04738
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.5 4.5 4.5 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974 .538376 .512558 .457832 .413838 .377682	#IL. 2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607626 .554084 .505710 .462088 .422684 .387034 .325424 .274570 .232388 .113202 .077252 .053224	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .397036 .352334 .278026 .219936 .174374 1.38532 .110260 .062762 .036034 .020838	**************************************	1 1.034208 .795202 .615728 .480216 .377316 .298718 .298718 .298718 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .032864 .0228644 .025120 .019670 .015746 .012862 .010700 .009050 .006332 .004752	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880 .016774 .012468 .006274 .003376 .001920	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .8163406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .067824 .055430 .037398 .025548 .017656 .012328 .008692 .003766 .001708 .000806	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 4.99762 395828 314370 1.99832 1.28240 0.83008 0.054148 0.35572 0.12780 0.04738 0.004738
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.5 4.5 4.5 4.6 2.6 3.6 4.6 3.6 4.6 3.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .97838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974 .538376 .512558 .457832 .413838	#IL. 2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607820 .554084 .305710 .462088 .422684 .387034 .325424 .274570 .232388 .17220 .077252 .053224 .036962	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .397036 .352334 .278026 .219936 .174374 .138532 .110260 .062762 .036034 .020838 .012122	**************************************	1 1.034208 .795202 .615728 .480216 .377316 .298718 .298718 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .028644 .028644 .028640 .028640 .012862 .010700 .019670 .015746 .012862 .010700 .009050 .006332 .004752 .003758	1.0LET 2 5.333466 4.023028 3.050358 2.352506 1.782112 1.373440 1.064426 .829600 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880 .016774 .012468 .006274 .00376 .001920 .001142	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .067824 .055430 .037398 .025548 .012328 .012328 .008692 .003766 .001708 .000806	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 499762 2.395828 3314370 1.99832 1.28240 0.83008 0.54148 0.35572 0.12780 0.004738 0.01804 0.00702
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .97838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974 .538376 .512558 .457832 .413838 .377682 .347408	#IL. 2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607820 .554084 .505710 .462088 4.325424 .274570 .232388 .197240 .167838 .113202 .077252 .053224 .036962 .018164 .009100	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .352334 .278026 .219936 .3174374 .138532 .110260 .062762 .036034 .020838 .012122 .004164 .001452	*** *** *** *** *** *** *** *** *** **	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .032864 .025120 .019670 .015746 .012862 .010700 .009053 .004752 .003758 .003094 .002278	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880 .016774 .012468 .002880 .016774 .012468 .000190	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .067824 .055430 .037398 .025548 .012328 .008692 .003766 .001708 .000806 .000392 .000102 .000028	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 499762 395828 314370 199832 128240 0.83008 0.54148 0.35572 0.12780 0.04738 0.01804 0.00702 0.00112 0.00020
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .979838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974 .538376 .512558 .457832 .413838 .377682 .347408 .299476 .263124 .234532	#IL. 2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607626 .554084 .505710 .462088 .422684 .387034 .325424 .274570 .232388 .113202 .077252 .053224 .036962 .018164 .009100 .004626	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .397036 .352334 .278026 .219936 .174374 .138532 .110260 .062762 .036034 .020838 .012122 .004164 .001452 .000512	*** *** *** *** *** *** *** *** *** **	1 1.034208 .795202 .615728 .480216 .377316 .298718 .298718 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .032864 .028644 .025120 .019670 .015746 .010700 .009050 .006332 .004752 .003758 .003094 .002278	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880 .016774 .012468 .006274 .012468 .006274 .00376 .001920 .001142 .000446 .000190 .000086	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .81636 .636406 .498578 .392484 .310424 .246652 .196858 .127798 .127018 .102654 .083286 .067824 .055548 .017656 .012328 .003766 .001708 .000806 .000392 .000102 .0000028 .000008	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 3.615298 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 4.99762 395828 314370 1.99832 1.28240 0.83008 0.054148 0.35572 0.12780 0.04738 0.01804 0.00702 0.001012
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.567946 1.476188 1.392860 1.317026 1.247868 1.184666 1.126790 1.073678 1.024836 .97838 .938294 .899866 .864254 .831186 .800426 .771762 .745004 .719982 .696544 .674554 .634442 .598810 .566974 .538376 .512558 .457832 .413838 .377682 .347408	#IL. 2 2.662622 2.360278 2.098380 1.870666 1.671968 1.497990 1.345166 1.210504 1.091498 .986032 .892322 .808848 .734320 .667626 .607820 .554084 .505710 .462088 4.325424 .274570 .232388 .197240 .167838 .113202 .077252 .053224 .036962 .018164 .009100	T CHANNEL 3 4.085690 3.542974 3.078744 2.680584 2.338200 2.043056 1.788048 1.567238 1.375642 1.209074 1.064000 .937432 .826826 .730026 .645186 .570728 .505298 .447736 .352334 .278026 .219936 .3174374 .138532 .110260 .062762 .036034 .020838 .012122 .004164 .001452	*** *** *** *** *** *** *** *** *** **	1 1.034208 .795202 .615728 .480216 .377316 .298718 .238318 .191612 .155268 .126802 .104362 .086558 .072338 .060906 .051656 .044124 .037954 .032864 .025120 .019670 .015746 .012862 .010700 .009053 .004752 .003758 .003094 .002278	1.0LET 2 5.333466 4.023028 3.050358 2.325206 1.782112 1.373440 1.064426 .829600 .650250 .512558 .406298 .323866 .259582 .209186 .169470 .138010 .112960 .092916 .076796 .063770 .044566 .031680 .022880 .016774 .012468 .002880 .016774 .012468 .000190	3 5.359478 4.036166 3.054272 2.322586 1.774962 1.363250 1.052284 .816316 .636406 .498578 .392484 .310424 .246652 .196858 .157798 .127018 .102654 .083286 .067824 .055430 .037398 .025548 .012328 .008692 .003766 .001708 .000806 .000392 .000102 .000028	44.456940 33.117600 24.766000 18.593060 14.013750 10.604110 8.055760 6.143866 4.703950 2.789060 2.159564 1.678142 1.308580 1.023838 803658 632802 499762 395828 314370 199832 128240 0.83008 0.54148 0.35572 0.12780 0.04738 0.01804 0.00702 0.00112 0.00020

TABLE 12 K. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 50$ degrees

				GEOMETRIC	FACTORS (cm²			
×	1	HILE 2	T CHAMNEL 3	4	1	LOLI 2	ET CHANNEL 3	4
			_	-		_		150 045300
.1 .2	. 141088 . 129652	.953008 .827248	.761414 .649928	14.041590 11.532200	2.219178 1.650322	10.357470 7.621682	10.030770 7.368990	159.845300 116.614000
.3	. 119432	. 720508	.556184	9.506454	1.234600	5.634130	5.436356	85.363780
.4 .5	.110280 .102070	. 629556 . 551762	.477110 .410212	7.863362 6.524690	.929500 .704562	4.184974 3.124336	4.028290 2. 9 98684	62.708280 46.233600
. 6	. 094690	.484978	. 353452	5.429536	.537918	2.344922	2.242928	34.215080
.7 .8	. 088044 . 082048	.427442 .377708	.305164 .263974	4.530128 3.788834	.413824 .320910	1.769722 1.343332	1.685950 1.273750	25.418400 18.957760
.9	.076628	.334578	.228754	3.175856	.250940	1.025762	.967354	14.195910
1.0	.071720	.297056	. 198566	2.667438 2.244564	.197926	.788076	.738570	10.673300 8.057680
1.1 1.2	.067266 .063216	.264320 .235680	. 172638 . 150318	1.891938	. 157504 . 126480	.609272 .474046	. \$66932 . 437548	6.108062
1.3	.059528	.210552	.131068	1.597192	. 102504	.371218	.339530	4.649208
1.4 1.5	.056164 .053088	. 188454 . 168970	.114434 .100038	1.350296 1.143072	.083844 .069218	.292586 .232112	.264900 .207786	3.553254 2.726644
1.6	.050272	. 151754	.087554	.968826	.057666	. 185328	. 163850	2.100692
1.7	.047688	. 136506	.076714	. 822062	.048474	. 148922	.129878	1.624786 1.261522
1.8 1.9	.045314 .043130	. 122976 . 110944	.067286 .059076	. 698256 . 593666	.041106 .035156	. 120422 . 097978	.103474 .082844	.983132
2.0	.041114	. 100226	.051916	. 505194	.030314	. 080198	.066646	. 768958
2.2 2.4	.037530 .034452	.082108 .067582	.040202 .031230	.366736 .267004	.023068 .018060	. 054674 . 038096	.043724 .029180	.475330 .297670
2.6	.031792	.055868	.024332	. 194894	.014504	.027088	.019778	. 188654
2.8	.029480	.046366	.019008	. 142582	.011912	.019620	.013596	. 120872
3.0 3.5	.027456 .023386	.038620 .024802	.014884 .008154	. 104526 . 048470	.009978 .006878	.014454 .007178	.009466 .004018	.078212 .027340
4.0	.020338	.016208	.004520	.022682	.005124	.003844	.001804	.009982
4.5	.017994	.010746	.002530	.010696	.004036	.002182	.000848	.003772
5.0 6.0	.016142 .013426	.007214 .003350	.001428 .000464	.005076 .001162	.003312 .002430	.001296 .000506	.000412	.001466 .000236
7.0	.011538	.001606	.000154	.000270	.001924	.000216	.000030	.000040
8.0 9.0	.010154 .009100	.000788 .000394	.000052 .000018	.000064	.001604 .001386	.000098 .000046	.000008	.000008
10.0	.009100	.000394	.000006	.000016	.001230	.000022	. 000002	.000002
					FACTORS (cm²		* 60444451	
			NIDIRECTIONAL LET CHANNEL		FACTORS (cm ² tiply by 10 ⁻³		T CHANNEL	
W	1						T CHANNEL	4
.1	1.537728	HII 2 2.574406	3 3.921790	mu16 4 4.852578	1.049290	LOLE 2 5.488230	3 5.497190	46.330180
.1 .2	1.537728 1.450152	HII 2 2.574406 2.287380	3 3.921790 3.406778	mult 4 4.852578 4.027058	1 1 1.049290 .807848	LOLE 2 5.488230 4.149400	3 5.497190 4.149648	46.330180 34.588320
.1 .2 .3	1.537728	HII 2 2.574406	3 3.921790	mu16 4 4.852578	1.049290	LOLE 2 5.488230	3 5.497190	46.330180
.1 .2 .3 .4	1.537728 1.450152 1.370470 1.297820 1.231446	2.574406 2.287380 2.038166 1.820970 1.630998	3.921790 3.406778 2.965468 2.586286 2.259642	4 . 852578 4 . 027058 3 . 353590 2 . 801628 2 . 347314	1 1.049290 .807848 .626400 .489274 .385040	5.488230 4.149400 3.154088 2.410744 1.852946	3 5.497190 4.149648 3.148054 2.400298 1.839518	46.330180 34.588320 25.926900 19.514080 14.747980
.1 .2 .3 .4 .5	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570	# 4.852578 4.027058 3.353590 2.801628 2.347314 1.971880	1.049290 .807848 .626400 .489274 .385040 .305334	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990
.1 .2 .3 .4	1.537728 1.450152 1.370470 1.297820 1.231446	2.574406 2.287380 2.038166 1.820970 1.630998	3.921790 3.406778 2.965468 2.586286 2.259642	4 . 852578 4 . 027058 3 . 353590 2 . 801628 2 . 347314	1 1.049290 .807848 .626400 .489274 .385040	5.488230 4.149400 3.154088 2.410744 1.852946	3 5.497190 4.149648 3.148054 2.400298 1.839518	46.330180 34.588320 25.926900 19.514080 14.747980
.1 .2 .3 .4 .5 .6 .7 .8	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610	4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708	3 5.497190 4.149648 3.148054 2.400298 I.839518 1.416992 1.097122 .853796 .667790	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908	2 2.574406 2.287390 2.038166 1.830998 1.464280 1.317490 1.187848 1.073022 .971040	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330	#u10 4 4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040 1.003942	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488	2 5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .664708 .541534	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166
.1 .2 .3 .4 .5 .6 .7 .8	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610	4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 541534 .430720 .344488	3 5.497190 4.149648 3.148054 2.400298 I.839518 1.416992 1.097122 .853796 .667790	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372	# 4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040 1.003942 .851942 .724056 .616228	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448	2 2.574406 2.287390 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .726646	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634	# 4 4 . 852578 4 . 027058 3 . 353590 2 . 801628 2 . 347314 1 . 971880 1 . 660496 1 . 401362 1 . 185040 1 . 003942 . 851942 . 724056 . 616228 . 525128	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780	2 5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614	3.921790 3.406778 2.965468 2.586286 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042	#4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040 1.003942 .851942 .724056 .616228 .525128 4.48020 .382646	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .166952 .136444	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .550614	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406	# 4 . 852578 4 . 027058 3.353590 2.801628 2.347314 1.971880 1.401362 1.401362 1.24056 616228 525128 448020 382646 327138	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614	3.921790 3.406778 2.965468 2.586286 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042	#4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040 1.003942 .851942 .724056 .616228 .525128 4.48020 .382646	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .166952 .136444	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .744270 .719764 .696782 .675196	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614 .503188 .460348 .421588 .386462	3 .921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250	4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040 1.003942 .851942 .724056 .616228 .525128 4.48020 .382646 .327138 .279938 .239752 .205498	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .039406	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036 .100650 .083394 .069406	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .166952 .136444 .110630 .099038 .073546 .060282	46.330180 34.58320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 438618
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .770442 .770442 .74270 .719764 .696782 .675196	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .550614 .503188 .460348 .421588 .386462 .325626	3.921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250 .274556	# 4 . 852578 4 . 027058 3.353590 2.801628 2.347314 1.971880 1.401362 1.401362 1.24056 616228 525128 448020 382646 327138 279938 239752 205498 1551294	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .034146	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 430720 .344488 .277028 .223970 .182018 .148674 .122036 .100650 .083394 .069406	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444 .110630 .090038 .073546 .060282	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 8.79568 695418 .551490 4.38618 349810 .224224
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .7744270 .719764 .696782 .675196 .635762 .600658	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614 .503188 .460348 .421588 .386462	3 .921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250	4.852578 4.027058 3.353590 2.801628 2.347314 1.971880 1.660496 1.401362 1.185040 1.003942 .851942 .724056 .616228 .525128 4.48020 .382646 .327138 .279938 .239752 .205498	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .039406	2 5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036 .100650 .083394 .069406 .048690 .034710	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .166952 .136444 .110630 .099038 .073546 .060282	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 .438618 .349810 .224224 .145990 .094686
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .744270 .719764 .695782 .675196 .635762 .600658	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .550614 .503188 .460348 .460348 .421588 .386462 .325626 .275268	3 .921790 3.406778 2.965468 2.59642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250 .274556 .217592 1.72814 .137516	# 4 . 852578 4 . 027058 3 . 353590 2 . 801628 2 . 347314 1 . 971880 1 . 660496 1 . 401362 1 . 185040 1 . 003942 . 851942 . 724056 . 616228 . 325128 4 8020 . 382646 . 327138 . 279938 2 39752 . 205498 . 151294 . 111672 . 082610 . 061232	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .034146 .029776 .026124 .020462 .016376 .013366 .011108	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036 .100650 .083394 .069406 .048690 .034710 .025114 .018428	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444 .110630 .09038 .090384 .060282 .040896 .028078 .013660	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 .438618 .349810 .224224 .145090 .094686
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.2 2.4 2.6 2.8 3.0	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .774270 .719764 .695782 .675196 .635762 .600658 .560972 .515414	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .550614 .503188 .460348 .421588 .386462 .325626 .275268	3 .921790 3.406778 2.965468 2.59642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250 .274556 .217592 .172814 .137516 .109618	## 4	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .034146 .029776 .026124 .020462 .016376 .013366 .011108	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 870680 .684708 .541534 430720 .344488 .277028 .223970 .182018 .148674 .122036 .100650 .083394 .069406 .048690 .034710	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444 .110630 .090038 .073546 .060282 .040896 .028078 .019488 .013660 .009662	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 8.79568 695418 .551490 4.38618 349810 .224224 .145090 .094686 .062264
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 3.5	1.537728 1.450152 1.370470 1.297820 1.231446 1.176678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .7744270 .719764 .696782 .675196 .635762 .600658 .569240 .540972 .515414 .461122 .417368	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614 .503188 .421588 .421588 .386462 .325626 .275268 .233386 .198406 .169080 .1169080	3 .921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.377610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496466 .440344 .390900 .347250 .274556 .217592 .172814 .137516 .109618 .062608 .036052	## 4 4 . 852578 4 . 027058 3 . 353590 2 . 801628 2 . 347314 1 . 971880 1 . 660496 1 . 401362 1 . 185040 1 . 003942 . 851942 . 724056 . 616228 . 48020 . 382646 . 327138 . 227938 . 239752 . 205498 . 151294 . 111672 . 082610 . 061232 . 045466 . 021740 . 010476	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .0394146 .029776 .026124 .020462 .016376 .011108 .009384 .004894	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .12036 .100650 .083394 .069406 .048690 .034710 .025114 .018428 .013696 .006868	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444 .110630 .094038 .073546 .060282 .040896 .028078 .019488 .013660 .009662 .004208 .001912	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 .438618 .349810 .224224 .145990 .094686 .062264 .041226 .015088 .005692
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .744270 .719764 .696782 .675196 .635762 .600658 .569240 .540972 .515414 .461122 .417368	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .550614 .503188 .460348 .460348 .421588 .386462 .325626 .275268 .233386 .198406 .169080 .114408 .078282 .054054	3 .921790 3.406778 2.965468 2.59642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250 .274556 .217592 .172814 .137516 .109618 .062608 .036052 .020900	## 4 . 852578 4 . 027058 3 . 353590 2 . 801628 2 . 347314 1 . 971880 1 . 660496 1 . 401362 1 . 185040 1 . 003942 . 851942 . 724056 . 616228 . 525128 . 448020 . 382646 . 327138 . 279938 279938 . 151294 . 111672 . 082610 . 061232 . 045466 . 021740 . 010476 . 005080	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .034146 .029776 .026124 .020462 .016376 .013366 .011108 .009384 .006542 .004894	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036 .100650 .048590 .034710 .025114 .018428 .013696 .006868	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444 .110630 .09038 .09038 .09038 .013660 .009662 .004208 .001912 .000900	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 4.38618 .349810 .224224 .145090 .094686 .062264 .041226 .015088 .005692
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 3.5	1.537728 1.450152 1.370470 1.297820 1.231446 1.176678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .7744270 .719764 .696782 .675196 .635762 .600658 .569240 .540972 .515414 .461122 .417368	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614 .503188 .421588 .421588 .386462 .325626 .275268 .233386 .198406 .169080 .1169080	3 .921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.377610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496466 .440344 .390900 .347250 .274556 .217592 .172814 .137516 .109618 .062608 .036052	## 4 4 . 852578 4 . 027058 3 . 353590 2 . 801628 2 . 347314 1 . 971880 1 . 660496 1 . 401362 1 . 185040 1 . 003942 . 851942 . 724056 . 616228 . 48020 . 382646 . 327138 . 227938 . 239752 . 205498 . 151294 . 111672 . 082610 . 061232 . 045466 . 021740 . 010476	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .0394146 .029776 .026124 .020462 .016376 .011108 .009384 .004894	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .12036 .100650 .083394 .069406 .048690 .034710 .025114 .018428 .013696 .006868	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444 .110630 .094038 .073546 .060282 .040896 .028078 .019488 .013660 .009662 .004208 .001912	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 .438618 .349810 .224224 .145990 .094686 .062264 .041226 .015088 .005692
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.8 3.0 3.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .744270 .719764 .696782 .675196 .635762 .60658 .569240 .540972 .515414 .461122 .417368 .381336 .351120 .303194	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614 .503188 .421588 .386462 .325626 .275268 .233386 .198406 .169080 .114408 .078282 .054054 .037610	3 .921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250 .274556 .217592 .172814 .137516 .109618 .062608 .036052 .020900 .012186 .004200 .001470	## 4	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .034146 .029776 .026124 .020462 .016376 .011108 .009384 .006542 .006542 .004894 .003862 .003172 .002332	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036 .083394 .069406 .048590 .034710 .025114 .018428 .013696 .006868 .003670 .002070 .001220 .000470 .000198	3 5.497190 4.149648 3.148054 2.400298 I.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .210070 .168952 .116444 .110630 .094038 .073546 .060282 .040896 .028078 .019488 .013660 .009662 .004208 .001912 .000930	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 .438618 .349810 .224224 .145090 .094686 .062264 .041226 .015088 .005692 .002200 .000866 .000142 .000024
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .744270 .719764 .696782 .675196 .635762 .600658 .569240 .540972 .515414 .461122 .417368 .381336 .351120 .303194 .266774	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614 .503188 .460348 .460348 .421588 .386462 .325626 .275268 .233386 .198406 .169080 .114408 .07610 .018540 .009312 .004744	3 .921790 3.406778 2.965468 2.59642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250 .274556 .217592 1.172814 .137516 .109618 .062608 .030900 .012186 .004200 .001470 .000520	## 4	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .034146 .029776 .026124 .020462 .016376 .013366 .011108 .009384 .006542 .004894 .004894 .003862 .003172 .002332 .001852	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036 .100650 .083394 .069406 .048690 .034710 .025114 .018428 .013696 .006868 .003670 .002070 .001220 .000470 .00198 .000090	3 5.497190 4.149648 3.148054 2.400298 1.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .262320 .210070 .168952 .136444 .110630 .090038 .073546 .060282 .040896 .028078 .019488 .013660 .009662 .004208 .00112 .000900 .000438 .000112 .000030	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.52526 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 .438618 .349810 .224224 .145090 .094686 .062264 .041226 .015088 .005692 .002200 .008866 .000142 .000004
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.8 3.0 3.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.537728 1.450152 1.370470 1.297820 1.231446 1.170678 1.114928 1.063678 1.016472 .972908 .932622 .895300 .860658 .828448 .798442 .770442 .744270 .719764 .696782 .675196 .635762 .60658 .569240 .540972 .515414 .461122 .417368 .381336 .351120 .303194	2 2.574406 2.287380 2.038166 1.820970 1.630998 1.464280 1.317490 1.187848 1.073022 .971040 .880228 .799168 .726646 .661622 .603202 .550614 .503188 .421588 .386462 .325626 .275268 .233386 .198406 .169080 .114408 .078282 .054054 .037610	3 .921790 3.406778 2.965468 2.586286 2.259642 1.977570 1.733430 1.521668 1.337610 1.177330 1.037502 .915314 .808372 .714634 .632356 .560042 .496406 .440344 .390900 .347250 .274556 .217592 .172814 .137516 .109618 .062608 .036052 .020900 .012186 .004200 .001470	## 4	1.049290 .807848 .626400 .489274 .385040 .305334 .244006 .196520 .159514 .130488 .107568 .089354 .074780 .063046 .053534 .045774 .039406 .034146 .029776 .026124 .020462 .016376 .011108 .009384 .006542 .006542 .004894 .003862 .003172 .002332	5.488230 4.149400 3.154088 2.410744 1.852946 1.432318 1.113530 .870680 .684708 .541534 .430720 .344488 .277028 .223970 .182018 .148674 .122036 .083394 .069406 .048590 .034710 .025114 .018428 .013696 .006868 .003670 .002070 .001220 .000470 .000198	3 5.497190 4.149648 3.148054 2.400298 I.839518 1.416992 1.097122 .853796 .667790 .524902 .414596 .329024 .210070 .168952 .116444 .110630 .094038 .073546 .060282 .040896 .028078 .019488 .013660 .009662 .004208 .001912 .000930	46.330180 34.588320 25.926900 19.514080 14.747980 11.191990 8.528392 6.525256 5.012778 3.866166 2.993422 2.326482 1.814800 1.420702 1.116012 .879568 .695418 .551490 .438618 .349810 .224224 .145090 .094686 .062264 .041226 .015088 .005692 .002200 .000866 .000142 .000024

TABLE 12 L. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 55$ degrees

		FLUX ON	KIDIRECTIONA	L GEOMETRIC	FACTORS (cm²	MeV)		
			T CHANNEL				ET CHANNEL	
H	1	2	3	4	1	2	3	4
.1	.138938	.929290	.735914	13.559890	2.271176	10.868060	10.536330	171.323800
.2	. 127952	. 809000 . 706642	. 629598 . 540008	11.155460	1.689590	8.003018	7.745554	125.092200
.3 .4	. 118112 . 109284	.619192	.464274	9.211734 7.632846	1.264480 .952414	5.920614 4.401542	5.718382 4.240744	91.654640 67.398140
.5	.101346	. 544194	.400058	6.344514	.722276	3.289100	3.159672	49.746720
.6	.094198	.479636	.345456	5.288846	.551728	2.471094	2.365656	36.859840
.7 .8	.087746 .081914	. 423866 . 375524	.298898 .259100	4.420452 3.703542	.424682 .329518	1.866986 1.418808	1.780092 1.346408	27.419500 20.479480
.9	.076630	.333484	.224992	3.109716	.257822	1.084724	1.023780	15.359020
1.0	.071834	.296816	. 195696	2.616352	.203474	.834442	.782658	11.566850
1.1	.067474	.264736	.170478	2.205294	.162014	. 645966	.601590	8.747590
1.2 1.3	. 063504 . 059880	.236592 .211836	. 148724 . 129924	1.861934 1.574450	. 130174 . 105554	. 503272 . 394636	.464952 .361322	6.643392 5.066590
1.4	.056568	. 190008	.113644	1.333226	.086380	.311460	.282324	3.880214
1.5	.053534	.170714	.099524	1.130418	.071340	.247406	.221790	2.983944
1.6 1.7	.050750 .048192	. 153622 . 138448	.087256 .076584	. 959602 . 815488	. 059454 . 049990	.197786 .159122	.175162 .139058	2.304054 1.786188
1.8	.045838	. 124950	.067282	.693720	.042400	.128810	.110956	1.390124
1.9	.043666	. 112922	.059168	. 590688	.036264	.104908	.088970	1.085992
2.0	.041662	. 102180	.052078	. 503394	.031270	.085946	.071678	.851518
2.2 2.4	. 038086 . 035008	. 083963 . 069308	.040446 .031510	. 366470 . 267540	.023788 .018612	.058668 .040910	.047158 .031550	. 529042 . 333026
2.6	.032340	.057440	.024614	. 195802	.014934	.029090	.021432	.212164
2.8	.030016	.047780	.019276	.143612	.012252	.021058	.014762	. 136644
3.0	.027978	. 039880	.015132	, 105538	.010252	.015496	.010294	.088872
3.5 4.0	.023862 .020772	.025722 .016864	.008334 .004640	.049220 .023154	.007046 .005234	.007658 .004072	.004378 .001966	.031452 .011614
4.5	.018386	.011208	.002606	.010970	.004116	.002294	.000922	.004432
5.0	.016500	.007538	.001476	.005228	.003372	.001354	.000448	.001736
6.0 7.0	.013724 .011796	.003508 .001684	.000482 .000162	.001205 .000282	.002470 .001956	.000522 .000220	.000114	. 000284 . 000050
8.0	.010382	.001004	.000102	.000262	.001630	.000220	.000010	.000030
9.0	.009302	.000414	.000018	.000016	.001408	.000046	.000002	. 000002
10.0	.008454	.000210	.000006	.000004	.001248	.000022	.000000	. 000000
			NIDIRECTIONA ET CHANNEL		FACTORS (cm ² ply by 10 ⁻³		CHANNEL	
×	1						CHANNEL 3	4
.1	1 . 506226	HILE	ET CHANNEL	multi	ply by 10 ⁻³	LOLET		4 47.993340
.1 .2	1.506226 1.422496	HILE 2 2.495468 2.221530	3 3.771000 3.280714	#ulti 4 4.669576 3.879052	ply by 10 ⁻³ 1 1.058314 .815906	LOLET 2 5.603726 4.246248	3 5.594326 4.232254	47.993340 35.886940
.1 .2 .3	1.506226 1.422496 1.346198	HILE 2 2.495468 2.221530 1.983220	3 3.771000 3.280714 2.859936	#ulti 4 4.669576 3.879052 3.233610	ply by 10 ⁻³ 1 1.058314 .815906 .633562	LOLET 2 5.603726 4.246248 3.235434	3 5.594326 4.232254 3.218186	47.993340 35.886940 26.947240
.1 .2 .3 .4	1.506226 1.422496 1.346198 1.276520	HILE 2 2.495468 2.221530	3 3.771000 3.280714	#ulti 4 4.669576 3.879052 3.233610 2.704166	ply by 10 ⁻³ 1 1.058314 .815906	LOLET 2 5.603726 4.246248	3 5.594326 4.232254	47.993340 35.886940
.1 .2 .3 .4 .5	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292	2.495468 2.221530 1.983220 1.775116 1.592746 1.432382	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196	#ulti 4 4.669576 3.879052 3.233610 2.704166 2.267990 1.907208	1 1.058314 .815906 .633562 .495622 .390654 .310292	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800
.1 .2 .3 .4 .5 .6	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974	### 4.669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156
.1 .2 .3 .4 .5 .6	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114	HILE 2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516	4, 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488	47,993340 35,886940 26,947240 20,320400 15,388740 11,703800 8,939156 6,856404
.1 .2 .3 .4 .5 .6	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974	### 4.669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058	4, 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.91632 1.481020 1.154712 .905554 .714284 .566650 .452078	3 5.594326 4.232254 3.218186 2.459782 1.459720 1.133334 .884488 .693812 5.46978 433332	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834	3 .771000 3.280714 2.85936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.01058	4.669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530	1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 433332 .344936	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058	4, 669576 3,879052 3,233610 2,704166 2,267990 1,907208 1,607684 1,358176 1,149682 974962 ,828164 704530 ,600182	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.91632 1.481020 1.154712 .905554 .714284 .566650 .452078	3 5.594326 4.232254 3.218186 2.459782 1.459720 1.133334 .884488 .693812 5.46978 433332	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.30416 1.145978 1.011058 .893000 .789534 .698728 .618918	### 4 4,669576 3,879052 3,233610 2,704166 2,267990 1,907208 1,607684 1,358176 1,149682 ,974962 ,828164 ,704530 ,600182 ,511932 ,437164	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866	1.154712 1.905554 2.1479192 1.910632 1.154712 1.905554 2.1481020 1.154712 1.905554 2.71284 2.71284 2.71284 2.71284 2.71284 2.71284 2.71284 2.71284 2.71284 2.71284 2.71284	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .344936 .275838 .221566 .178732	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626	3 .771000 3.280714 2.85936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.01058 893000 .789534 .698728 .618918 .548690	4.669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530 .600182 .511932 .437164	1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144	1.0LET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198 .5.318 .5.318	3 5.594326 4.232254 3.218186 2.459782 1.459782 1.133334 .884488 .693812 .546978 .433332 .344936 .275838 .221566 .178732 .144770	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.51852 1.196600 .946096
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.1005792 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818	4, 669576 3,879052 3,233610 2,704166 2,267990 1,907208 1,607684 1,358176 1,149682 974962 ,828164 704530 600182 511932 437164 3373714	1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200	10LET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .344936 .275838 .221566 .178732 .144770 .117722	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 946096 .750440
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626	3 .771000 3.280714 2.85936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.01058 .893000 .789534 .698728 .618918 .548690	### 4 4,669576 3,879052 3,233610 2,704166 2,267990 1,907208 1,607684 1,358176 1,149682 974962 828164 704530 600182 511932 437164 373714 319784 273882	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266	1.0LET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198 .5.318 .5.318	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .344936 .275838 .221566 .178732 .144770 .117722	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.51852 1.196600 .946096
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .597626 .499652 .457590 .419480 .384900	3 .771000 3.280714 2.85936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .4324460 .341472	4.669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530 .600182 .511932 437164 .373714 .319784 .273882 .234764 .201390	1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198 .5.2318 .158339 .130308 .107736 .089470 .074620	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 433332 .344936 .275838 .221566 1.178732 .144770 .117722 .096084 .078702 .064682	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 .946096 .750440 5.97074 476438 .381232
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .988058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .546146 .499652 .457590 .419480 .384900 .324892	3 .771000 3.280714 2.859936 2.859936 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442	4, 669576 3,879052 3,233610 2,704166 2,267990 1,907208 1,607684 1,358176 1,149682 974962 ,828164 ,704530 ,600182 ,511932 ,437164 ,373714 ,373714 ,273882 ,234764 ,201390 ,148508	ply by 10 ⁻³ 1 1.058314	10LET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .344936 2.275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .044106	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 946096 .750440 .597074 4.76438 .381232 .245992
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652 .600150	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .597626 .499652 .457590 .419480 .384900 .324892 .275098	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442 .214670	### 4	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266 .030770 .027008 .021162 .016936	5.603726 4.246248 3.235434 2.47192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198 .5.318 .130308 .107736 .089470 .074620 .052538 .037558	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .044106	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 946096 .750440 .597074 .476438 .381232 .24592 .160232
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .988058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .546146 .499652 .457590 .419480 .384900 .324892	3 .771000 3.280714 2.859936 2.859936 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442	4, 669576 3,879052 3,233610 2,704166 2,267990 1,907208 1,607684 1,358176 1,149682 974962 ,828164 ,704530 ,600182 ,511932 ,437164 ,373714 ,373714 ,273882 ,234764 ,201390 ,148508	ply by 10 ⁻³ 1 1.058314	10LET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .43332 .344936 .275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .044106 .030424 .021206 .014920	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 946096 .750440 .597074 4.76438 .381232 .245992
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.6 3.0 3.0 3.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652 .600150 .560220 .541350	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .594626 .546146 .499652 .457590 .419480 .384900 .324892 .275098 .233594 .198860 .169682	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442 .214670 170748 .136060	### 4 4 . 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.358176 7.74962 .828164 .704530 .600182 .511932 .437164 .373714 .319784 .273882 .234764 .201390 .148508 .109786 .061336 .060372 .044888	1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266 .030770 .027008 .021162 .016936 .013816 .011472	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .344936 2.75838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .044106 .030424 .021206 .014920 .010588	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 946096 .750440 .597074 4.76438 .381232 .245992 .160232 .105256 .069666 .046420
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.6 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .694652 .673344 .694652 .673344 .694652 .673344 .694652 .673344	2 2.495468 2.221530 1.983220 1.755116 1.7591746 1.432382 1.290920 1.1657468 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .546146 .499652 .457590 .419480 .384900 .324892 .275098 .233594 .198860 .169682 .115134	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442 .214670 .170748 .1360600 .062210	### 4 4 . 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530 .600182 .511932 .437164 .373714 .319784 .273882 .234764 .201390 .148508 .109786 .081336 .060372 .044888 .021532	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266 .030770 .027008 .021162 .016936 .013816 .011472 .009680 .006728	\$\ \text{LOLET}\$ 2 5.603726 4.246248 3.235434 2.47192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198 .5.318 .158339 .130308 .107736 .089470 .074620 .052538 .027230 .02002 .014872 .007438	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .044106 .030424 .021206 .014920 .014920	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.93880 1.518522 1.196600 .946096 .750440 .597074 .476438 .381232 .245992 .160232 .105256 .069666 .046420 .017252
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.0 3.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 4.0 4.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .634652 .673344 .634652 .673344 .634652 .569220 .541350 .516118 .462416 .419036	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .546146 .499652 .457590 .419480 .384900 .324892 .275998 .233594 .198860 .169682 .115134 .078960	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .48690 .341472 .270442 .270442 .270442 .136060 .108600 .062210 .035914	### 4 4,669576 3,879052 3,233610 2,704166 2,267990 1,907208 1,607684 1,358176 1,149682 ,974962 ,828164 ,704530 ,600182 ,531932 ,437164 ,373714 ,319784 ,201390 ,148508 ,109786 ,081336 ,060372 ,044888 ,021532 ,010406	1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266 .030770 .027008 .021162 .016936 .013816 .011472	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198318 .158339 .13038 .107736 .089470 .074620 .052538 .027230 .02002 .014872 .007438 .003952	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .344936 .275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .04106 .030424 .021206 .01920 .01920 .01920 .01920	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 .946096 .750440 4.76438 .381232 .245992 160232 .160232 .105256 .069666 .046420 .017252 .006600
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.5 5.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 963326 924280 888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652 .600150 .569220 .541350 .516118 .462416 .419036 .383248 .353194	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .546146 .499652 .457590 .419480 .384900 .324892 .275098 .233594 .198860 .169682 .115134 .078960 .054626 .038070	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442 .214670 1.70748 .136060 .062210 .035914 .020866 .012188	### 4 4 . 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.358176 1.358176 2.374962 .828164 .704530 .600182 .511932 .437164 .373714 .373714 .273882 .234764 .201390 .148508 .109786 .081336 .060372 .004488 .021532 .010406 .005058 .002470	ply by 10 ⁻³ 1 1.058314	10LET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 905554 714284 566650 452078 362674 292530 237198 3.3237198 3.3238 107736 089470 074620 052538 037558 027230 02002 014872 007438 003952 002210 001292	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .275838 .221566 .178732 .144770 .078702 .064682 .044106 .030424 .021206 .010588 .004640 .00116 .00016 .00016 .00016	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 946096 750440 .597074 476438 381232 .245992 .160232 .105256 .069666 .046420 .017252 .006600 .002584
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.6 3.5 5.6 3.5 5.6 6.7 6.6 6.7 6.6 6.7 6.6 6.6 6.6 6.6 6	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652 .600150 .569220 .541350 .516118 .462416 .419036 .383248 .353194 .305448	2 2.495468 2.221530 1.983220 1.755116 1.7591746 1.432382 1.290920 1.1657468 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .597626 .457590 .419480 .324892 .275098 .233594 .198860 .169682 .115134 .078960 .054626 .038070 .018816	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442 .214670 .170748 .136060 .108600 .062210 .035914 .020866 .012188 .004214	### 4 4 . 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530 .600182 .511932 .437164 .373714 .319784 .273882 .234764 .201390 .148508 .109786 .081336 .060372 .044888 .021532 .010406 .005596	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266 .030770 .027008 .021162 .016936 .013816 .011472 .009680 .006728 .075016 .003948 .003238	\$\ \text{LOLET}\$ 2 5.603726 4.246248 3.235434 2.47192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198 .5.318 .158338 .130308 .107736 .089470 .074620 .052538 .027230 .02000 .014872 .007438 .003952 .002210 .001292 .000490	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 884488 .693812 .546978 .433332 .275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .044106 .030424 .021206 .014920 .010588 .004640 .002116 .000996 .000986	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.93880 1.518522 1.196600 .946096 .750440 .597074 .476438 .381232 .245992 .160232 .105256 .069666 .046420 .017252 .006600 .002584 .001732
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6 3.0 3.5 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .766502 .740942 .716984 .634652 .673344 .634652 .50150 .516118 .462416 .419036 .383248 .353194 .305448 .305448 .269104	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .546146 .499652 .457590 .419480 .384900 .324892 .275098 .233594 .198860 .169682 .115134 .078960 .054626 .038070 .018816 .009470	3 .771000 3.280714 2.85936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432464 .341472 .270442 .214670 .170748 .136060 .108600 .0025914 .020866 .012188 .004214 .001478	### 4 4 . 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530 .600182 .511932 .437164 .373714 .319784 .273882 .234764 .201390 .148508 .109786 .001336 .060372 .044888 .021532 .010406 .005058 .002470 .000596 .000146	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266 .030770 .027008 .021162 .016936 .013816 .011472 .009680 .007908	1.0LET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198318 .158339 .130308 .10736 .089470 .074620 .052538 .037558 .027230 .02002 .014872 .0074820 .001292 .001292 .001292 .000490 .000204	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .344936 .275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .04106 .030424 .021206 .019588 .004640 .002116 .000996 .000484 .000122 .000034	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.96600 .946096 .750440 5.97074 .476438 .381232 .245992 .160232 .105256 .069666 .046420 .017252 .006600 .002584 .001032 .000172 .000030
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.6 3.5 5.6 3.5 5.6 6.7 6.6 6.7 6.6 6.7 6.6 6.6 6.6 6.6 6	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 .963326 .924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652 .600150 .569220 .541350 .516118 .462416 .419036 .383248 .353194 .305448	2 2.495468 2.221530 1.983220 1.755116 1.7591746 1.432382 1.290920 1.1657468 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .597626 .457590 .419480 .324892 .275098 .233594 .198860 .169682 .115134 .078960 .054626 .038070 .018816	3 .771000 3.280714 2.859936 2.497822 2.185398 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .548690 .486818 .432244 .384060 .341472 .270442 .214670 .170748 .136060 .108600 .062210 .035914 .020866 .012188 .004214	### 4 4 . 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530 .600182 .511932 .437164 .373714 .319784 .273882 .234764 .201390 .148508 .109786 .081336 .060372 .044888 .021532 .010406 .005596	ply by 10 ⁻³ 1 1.058314 .815906 .633562 .495622 .390654 .310292 .248380 .200378 .162916 .133486 .110214 .091688 .076842 .064866 .055144 .047200 .040668 .035266 .030770 .027008 .021162 .016936 .013816 .011472 .009680 .006728 .075016 .003948 .003238	\$\ \text{LOLET}\$ 2 5.603726 4.246248 3.235434 2.47192 1.910632 1.481020 1.154712 .905554 .714284 .566650 .452078 .362674 .292530 .237198 .5.318 .158338 .130308 .107736 .089470 .074620 .052538 .027230 .02000 .014872 .007438 .003952 .002210 .001292 .000490	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 884488 .693812 .546978 .433332 .275838 .221566 .178732 .144770 .117722 .096084 .078702 .064682 .044106 .030424 .021206 .014920 .010588 .004640 .002116 .000996 .000986	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.93880 1.518522 1.196600 .946096 .750440 .597074 .476438 .381232 .245992 .160232 .105256 .069666 .046420 .017252 .006600 .002584 .001732
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6 2.8 3.0 3.5 6 6 6 7 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.506226 1.422496 1.346198 1.276520 1.212758 1.154292 1.100572 1.051114 1.005492 963326 924280 .888058 .854394 .823050 .793814 .766502 .740942 .716984 .694492 .673344 .634652 .600150 .569220 .541350 .516118 .462416 .419036 .383248 .353194 .305448 .269104 .240432	2 2.495468 2.221530 1.983220 1.775116 1.592746 1.432382 1.290920 1.165746 1.054668 .955834 .867668 .788834 .718180 .654726 .597626 .597626 .546146 .499652 .457590 .419480 .384900 .324892 .275098 .23594 .198860 .169682 .115134 .078960 .054626 .038070 .018816 .009470 .004832	3 .771000 3.280714 2.859736 2.459736 1.915196 1.680974 1.477516 1.300416 1.145978 1.011058 .893000 .789534 .698728 .618918 .432244 .384060 .341472 .270442 .214670 .170748 1.36060 .108600 .062210 .035914 .020866 .012188 .004214 .001478 .000524	### 4 4 . 669576 3.879052 3.233610 2.704166 2.267990 1.907208 1.607684 1.358176 1.149682 .974962 .828164 .704530 .600182 .511932 .437164 .373714 .319784 .273882 .234764 .201390 .148508 .109786 .081336 .060372 .044888 .021532 .010406 .00596 .000596 .000146 .000036	ply by 10 ⁻³ 1 1.058314	LOLET 2 5.603726 4.246248 3.235434 2.479192 1.910632 1.481020 1.15554 .714284 .566650 .455078 .362674 .292530 .237198318 1.58339 .130308 .107736 .089470 .074620 .052538 .037558 .027230 .02002 .014872 .007438 .007438 .007438 .00792 .001292 .000490 .000204	3 5.594326 4.232254 3.218186 2.459782 1.889938 1.459720 1.133334 .884488 .693812 .546978 .433332 .241566 .178732 .144770 .117722 .096084 .078702 .044106 .030424 .021206 .014920 .014920 .010588 .004640 .002116 .000996 .000484 .000122 .000034	47.993340 35.886940 26.947240 20.320400 15.388740 11.703800 8.939156 6.856404 5.280816 4.083926 3.170932 2.471622 1.933804 1.518522 1.196600 .946096 .750440 5.97074 476438 .381232 .245992 1160232 .105256 .06666 .046420 .017252 .006600 .002584 .001032 .000172 .000030 .000006

TABLE 12 M. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda=60$ degrees

			MIDIRECTIONA	L GEOMETRIC	FACTORS (cm²	HeV)		
N	1	HILI 2	T CHANNEL 3	4	1	LOL! 2	ET CHANNEL 3	4
		_		•		_		•
.1 .2	.138030 .127316	.908778 .793036	./17840 .615190	13.089160 10.788370	2.319634 1.725790	11.313220 8.335316	10.989120 8.082044	181.476000
.3	. 117706	. 694340	.528550	8.924976	1.291710	6.170176	5.969836	132.590700 97.218480
.4 .5	.109072	.609840	.455192	7.408532	.973040	4.590140	4.429718	71.546140
.6	. 101298 . 094284	.537210 .474550	. 392 89 2 . 339830	6.168898 5.151278	.738016 .563832	3.432556 2.580940	3.302532 2.474316	52.854380 39.199820
.7	.087946	.420298	.294512	4.312690	.434062	1.951672	1.863252	29.190460
.8 .9	.082208 .077002	.373166 .332085	.255706	3.619158	.336846	1.484542	1.410452	21.826740
1.0	.072270	.296172	.222398 .193740	3.043698 2.564778	.263592 .208054	1.136092 .874858	1.073410 .821360	16.389270 12.358780
1.1	.067960	.264684	. 169030	2.165096	.165676	.677976	.631960	9.359462
1.2 1.3	.064030 .060436	.236998 .212592	.147680	1.830688	. 133122	. 528786	.488924	7.118536
1.4	.057148	. 191024	. 129198 . 113172	1.5\$0254 1.314574	. 107944 . 088332	.415098 .327968	.380356 .297 5 24	5.437396 4.170988
1.5	.054132	. 171922	. 099248	1.116130	.072942	.260798	.233992	3.213010
1.6 1.7	.051362 .048810	.154964 .139878	.087132	.948740 .807310	.060778	.208710	. 185010	2.485326
1.8	.046460	. 126434	.076576 .067364	.687638	.0510 9 0 .043316	.168076 .136184	.147044 .117460	1.930248 1.505080
1.9	.044290	.114428	.059314	. 586238	.037032	.111006	.094290	1.178074
2.0 2.2	.042282 .038698	. 103690	.052270	.500212	.031914	.091008	.076048	.925550
2.4	.035604	.085432 .070684	.040692 .031772	.365012 .267080	.024248 .018944	.062196 .043396	.050138 .033608	.577374 .3 6 4960
2.6	.032918	.058708	.024872	. 195888	.015174	.030862	.022868	.233484
2.8	.030572	.048932	.019518	. 143976	.012428	.022332	.015772	. 151006
3.0 3.5	.028510 .024340	.040916 .026488	.015348 .008490	.106018 .049676	.010380 .007104	.016418	.011012	.098622
4.0	.021198	.017416	.004744	.023470	.005260	.008078 .004268	.004690 .002106	.035256 .013142
4.5	.018766	.011602	.002674	.011164	.004126	.002388	.000986	.005060
5.0 6.0	.016842 .014008	.007816 .003646	.001518 .000498	.005340 .001238	.003376	.001398	.000476	.001998
7.0	.012034	.001750	.000166	.000292	.002470 .001956	. 000532 . 000224	.000120 .000034	.000330
8.0	.010588	.000860	.000056	.000070	.001630	.000100	.000010	.000010
9.0 10.0	.009486 .008618	.000430	.000020	.000016	.001410	.000046	.000002	.000002
10.0	. 048819	.000218	.000006	,000004	.001252	.000022	.000000	.000000
		DOSE ON	NIDIRECTIONAL	GEOMETRIC	FACTORS (cm²	NeV)		
			NIDIRECTIONAL ET CHANNEL		FACTORS (cm ² ply by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
.1	1 1.490188	KIL	ET CHANNEL	multi	ply by 10 ⁻³	LOLET	3	
.1 .2	1.490188 1.408810	HIL 2 2,428048 2,164928	3 3.663772 3.190994	multi 4 4.484442 3.730436	ply by 10 ⁻³ 1 1.069348 .825228	LOLET 2 5.695668 4.324238	3 5.685608 4.308786	49.378780 36.969660
.1 .2 .3	1.490188 1.408810 1.334568	HIL 2 2,428048 2,164928 1,935666	3 3.663772 3.190994 2.784760	#ulti 4 4.484442 3.730436 3.113906	ply by 10 ⁻³ 1 1.069348 .825228 .641466	LOLET 2 5.695668 4.324238 3.301616	3 5.685608 4.308786 3.282400	49.378780 36.969660 27.798720
.1 .2	1.490188 1.408810	HIL 2 2,428048 2,164928	3 3.663772 3.190994	multi 4 4.484442 3.730436	ply by 10 ⁻³ 1 1.069348 .825228	LOLET 2 5.695668 4.324238 3.301616 2.535390	3 5.685608 4.308786 3.282400 2.513726	49.378780 36.969660 27.798720 20.994140
.1 .2 .3 .4 .5	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134	3 3.663772 3.190994 2.784760 2.434770 2.132462 1.870716	multi 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548	1 1.069348 .825228 .641466 .502348 .396396	LOLET 2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638	3 5.685608 4.308786 3.282400	49.378780 36.969660 27.798720
.1 .2 .3 .4 .5 .6	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178	3 3.663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572	multi 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602	LOLET 2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960
.1 .2 .3 .4 .5	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134	3 3.663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040	#4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.315866	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658	## 4.484442 3.730436 3.113906 2.507450 2.189624 1.843548 1.555844 1.315866 1.115084 946616	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194	LOLET 2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256	## 4 484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 .946616 .804904	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024 739424 .588120 .470430	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802	49.378780 36.969660 27.798720 20.9994140 15.924830 12.132700 9.283960 7.134904 5.506640 4.267828 3.321188
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810	3 3.663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256	## 4 484442 3,730436 3,113906 2,607450 2,189624 1,843548 1,555844 1,315866 1,115084 946616 804904 685418	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718	LOLET 2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024 .739424 588120 .470430 .378376	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266 .886688 .853590 .822746	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470	## 4 484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 .946616 .804904	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024 739424 .588120 .470430	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266 .886688 .853590 .822746 .793950	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434	## 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 .804904 .685418 .584454 .498976 .426480	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024 .739424 .588120 .470430 .378376 .305976 .203208	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287709 .231646 .187310	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.661950 1.265518
.1 .2 .3 .4 .5 .6 .7 .8 9 1.0 1.1 1.2 1.3 1.4 1.5	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .966576 .922266 .886688 .853590 .822746 .793950 .767024	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700	## 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 .946616 .804904 .685418 .584454 .498976 .426480 .364892	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056676	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 .739424 588120 470430 378376 .305978 .248726 .203208 .166830	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287709 231646 .187310 .152074	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434	## 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 .804904 .685418 .584454 .498976 .426480	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024 .739424 .588120 .470430 .378376 .305976 .203208	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700 .231646 .187310 1.52074	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914	2 2,428048 2,164928 1,935666 1,735150 1,559144 1,404134 1,267178 1,145804 1,037934 ,941810 ,855934 ,779036 ,710022 ,647958 ,592034 ,541548 ,495894 ,454546 ,417036	3 3.663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 .804904 .685418 .584454 .426480 .364892 .312496 .327858 .229782	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .041680 .036148 .031538	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 739424 588120 470430 378376 305978 248726 203208 166830 137606 114012	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .101394 .083236	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 -966576 -922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548 .495894 .454546 .417036 .382964	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296 .337470	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 804904 685418 .584454 498976 426480 3564892 312496 267858 229782 197264	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056676 .048360 .041680 .036148 .031538 .027678	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024 .739424 5.88120 4.70430 3.78376 .305978 .248726 .203208 .137606 1.14012 .094872 .079270	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .101394 .081236 .068556	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 .636382 .509148
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .6674998 .636684	2 2,428048 2,164928 1,935666 1,735150 1,559144 1,404134 1,267178 1,145804 1,037934 ,941810 ,855934 ,779036 ,710022 ,647958 ,592034 ,541548 ,495894 ,454546 ,417036	3 3.663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 .804904 .685418 .584454 .426480 .364892 .312496 .327858 .229782	1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .041680 .036148 .031538 .027678	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.958390 1.521638 1.189292 935024 470430 378376 305978 248726 203208 166830 137606 114012 094872 079270	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .101394 .083236 .068556 .046938	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 6316382 .509148 .408486
.1 .2 .3 .4 .5 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766	2 2,428048 2,164928 1,935666 1,735150 1,559144 1,404134 1,267178 1,145804 1,037934 ,941810 ,855934 ,779036 ,710022 ,647958 ,592034 ,541548 ,495894 ,454546 ,417036 ,382964 ,323742 ,274502 ,233384	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296 .337470 .267624 .212698 .169376	### 4 4.484442 3.730436 3.113906 2.507450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 804904 685418 .584454 498976 .426480 .364892 .312496 .267858 .229782 .197264 145680 .107844 .080002	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .0786398 .056476 .048360 .041680 .041680 .031538 .027678 .021672 .017322 .014112	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 .739424 .588120 .470430 .378376 .305578 .248726 .203208 .166830 .137606 .114012 .094872 .079270 .055994 .040132	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .101394 .081236 .068556	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 .636382 .509148
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 -966576 -922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766 .544066	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548 .495894 .454546 .417036 .382964 .323742 .274502 .233384 .198912	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296 .337470 .267624 .212698 .169376 .135116	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 804904 685418 .584454 498976 426480 .366892 .312496 .267858 .229782 .197264 .145680 107844 080002 .059456	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .044360 .041680 .036148 .031538 .027678 .021672 .017322 .014112 .011696	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 739424 588120 470430 378376 305978 248726 203208 1168830 137606 114012 094872 079270 055994 040132 029150	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716740 .7566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .01394 .081236 .046938 .032502 .022732 .016044	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 .636382 5.594780 2.594780 2.594780 1.797756 .636382 5.594780 1.797756 .636382 5.594780 1.797756 .636382 5.594780 1.797756 .636382 5.594780 1.797756 .636382 5.599148 .797756 .79
.1 .2 .3 .4 .5 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 .960576 .922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548 .495894 .454546 .417036 .382964 .323742 .274502 .233384 .198912 .166910	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296 .337470 .267624 .212698 .169376 .135116 .107958	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 946616 804904 685418 .584454 498976 426480 364892 .312496 .267858 .229782 .197264 .145680 .107844 .080002 .059456 .044260	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .036148 .031538 .027678 .021672 .017322 .014112 .011696 .009850	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.958390 1.521638 1.189292 935024 739424 588120 470430 378376 305978 248726 203208 166830 137606 114012 094872 075270 055994 040132 029150 021436 015946	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .101394 .083236 .046536 .046338 .032502 .022732 .016044 .011416	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 .636382 .509148 .408486 .173526 .114592 .076242 .076242
.1 .2 .3 .4 .5 .7 .8 .9 1.0 11.2 11.3 11.4 11.5 11.6 11.7 11.8 12.0 22.4 23.6 23.6 24.6 25.6 26.6 27.6 27.6 27.6 27.6 27.6 27.6 27	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 960576 922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766 .544066 .518962 .4655448	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548 .495894 .454546 .417036 .382964 .323742 .274502 .233384 .198912 .165910 .115558 .079404	3	### 4 4.484442 3.730436 3.113906 2.507450 2.189624 1.843548 1.555844 1.315084 946616 .804904 .685418 .584454 .498976 .426480 .364892 .312496 .267858 .229782 .197264 145680 .107844 .080002 .059456 .044260 .021290 .010314	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .041680 .031538 .027678 .021672 .017322 .014112 .011696 .009850 .006810 .005054	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 739424 588120 470430 378376 305978 248726 203208 1168830 137606 114012 094872 079270 055994 040132 029150	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716740 .7566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .01394 .081236 .046938 .032502 .022732 .016044	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 .636382 5.594780 2.594780 2.594780 1.797756 .636382 5.594780 1.797756 .636382 5.594780 1.797756 .636382 5.594780 1.797756 .636382 5.594780 1.797756 .636382 5.599148 .797756 .79
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.2 2.4 2.8 3.0 5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 -960576 -922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766 .518962 .465448 .422144	2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548 .495894 .454546 .417036 .382964 .323742 .274502 .233384 .198912 .169910 .115558 .079404	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .6087470 .480088 .426582 .37926 .337470 .267624 .212698 .169376 .135116 .107958 .061988 .035858	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555846 1.315884 946616 8044904 685418 .584454 498976 426480 .3664892 .312496 .267858 .229782 .197264 .145680 .107844 .080002 .059456 .044260 .021290 .010314 .005024	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .036148 .031538 .027678 .021672 .017322 .014112 .011696 .009850 .006810 .005054 .003964	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 739424 588120 470430 378376 305978 248726 203208 1168830 137606 114012 094872 079270 055994 040132 029150 021436 015946 007962 004210 002338	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287709 .231646 .101394 .081236 .046938 .032502 .022732 .016044 .011416 .005030 .002300 .002300	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601550 1.265518 1.003146 7.797756 636382 5.509148 408486 264986 174552 114592 076242 051064 019214 007438
.1 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 5 1.6 1.7 1.8 2.0 2.2 2.4 4.5 3.5 4.5 4.5 4.5 5.6 4.5 6.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6 7.6	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 -960576 -922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766 .544066 .518962 .465448 .422144 .386358	#IL 2 2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548 .495894 .454546 .417036 .382964 .323742 .274502 .233384 .198912 .169910 .115558 .079404 .055024 .038398	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296 .337470 .267624 .212698 .169376 .135116 .107958 .061988 .035858 .020870 .012210	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555844 1.315866 1.115084 .946616 .804904 .685418 .584454 4.98976 .426480 .364892 .312496 .267858 .229782 .197264 .145680 .107844 .080002 .059456 .044260 .021290 .010314 .005024 .002458	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .036148 .031538 .027678 .021672 .017322 .014112 .011696 .009850 .006810 .005054 .003964 .003242	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.958390 1.521638 1.189292 9.35024 7.39424 5.88120 4.70430 3.78376 3.05978 2.48726 2.03208 1.66630 1.14012 0.94872 0.79270 0.055994 0.40132 0.29150 0.21436 0.015946 0.07962 0.04210 0.02338 0.001354	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358900 .237646 .187310 .152074 .123946 .101394 .083236 .046536 .046338 .032502 .022732 .016044 .011416 .005030 .001084 .000526	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 .636382 .509148 .408486 .173526 .114592 .076242 .076242 .076242
.12.3 .4.56.7 .8.90 11.2 11.3 11.4 11.6 11.7 11.8 11.6 11.7 11.8 11.6 11.7 11.8 11.6 11.7 11.8 11.0 11.0 11.0 11.0 11.0 11.0 11.0	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 960576 922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766 .544066 .518962 .465448 .422144 .386358 .356294 .308458	41L 2 2,428048 2,164928 1,935666 1,735150 1,559144 1,404134 1,267178 1,145804 1,037934 ,941810 ,855934 ,779036 ,710022 ,647958 ,592034 ,541548 ,495894 ,454546 ,417036 ,323742 ,274502 ,233384 ,198912 ,169910 ,115558 ,079404 ,055024 ,038398 ,019920 ,009590	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .6087470 .480088 .426582 .37926 .337470 .267624 .212698 .169376 .135116 .107958 .061988 .035858	### 4 4.484442 3.730436 3.113906 2.607450 2.189624 1.843548 1.555846 1.315884 946616 8044904 685418 .584454 498976 426480 .3664892 .312496 .267858 .229782 .197264 .145680 .107844 .080002 .059456 .044260 .021290 .010314 .005024	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .036148 .031538 .027678 .021672 .017322 .014112 .011696 .009850 .006810 .005054 .003964	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 739424 588120 470430 378376 305978 248726 203208 1168830 137606 114012 094872 079270 055994 040132 029150 021436 015946 007962 004210 002338	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287709 .231646 .101394 .081236 .046938 .032502 .022732 .016044 .011416 .005030 .002300 .002300	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 636382 509148 .408486 .264986 1733226 .114592 .076242 .051064 .001948 .001944
.12.34.56.78.9011.21.34.56.11.21.34.56.78.9022.24.68.05.005.005.005.005.005.005.005.005.005	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 -960576 -922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766 .518962 .465448 .422144 .386368 .356294 .308458 .3722004 .243216	41L 2 2.428048 2.164928 1.935666 1.735150 1.559144 1.404134 1.267178 1.145804 1.037934 .941810 .855934 .779036 .710022 .647958 .592034 .541548 .495894 .454546 .417036 .382964 .323742 .274502 .233384 .198912 .169910 .115558 .079504 .038398 .019020 .009590 .004900	3 .663772 3.190994 2.784760 2.434770 2.132462 1.870716 1.643572 1.446040 1.273916 1.123658 .992256 .877154 .776180 .687470 .609434 .540700 .480088 .426582 .379296 .337470 .267624 .212698 .169376 .107958 .061988 .035858 .004234 .001488 .000528	### 4 4.484442 3.730436 3.113966 2.607450 2.189624 1.843548 1.555846 1.315886 1.115084 946616 804496 4.685418 .584454 4.98976 4.26480 .364892 .312496 .267858 .229782 .197264 .145680 .107844 080002 .059456 .044260 .021290 .010314 .005024 .002458 .000596 .000146 .000036	1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .041680 .036148 .031538 .027678 .021672 .017322 .014112 .011696 .009850 .006810 .005054 .003242 .002372 .001884 .001576	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 935024 739424 588120 470430 378376 2048726 203208 166830 137606 114012 094872 079270 055994 040132 029150 021436 007962 004210 004238 001354 000504 000092	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 .287700 .231646 .187310 .152074 .123946 .101394 .083236 .046938 .032502 .022732 .016044 .011416 .005030 .002300 .001084 .000526 .000010	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.5066990 4.267828 3.321188 2.594780 2.035038 1.601950 1.265518 1.003146 .797756 636382 5.509148 408486 .264986 .174552 .114592 .076242 .051064 .019214 .007438 .002944 .001186 .000202 .000036
.12.3 .4.56.7 .8.90 11.2 11.3 11.4 11.6 11.7 11.8 11.6 11.7 11.8 11.6 11.7 11.8 11.6 11.7 11.8 11.0 11.0 11.0 11.0 11.0 11.0 11.0	1.490188 1.408810 1.334568 1.266702 1.204530 1.147458 1.094964 1.046586 1.001910 960576 922266 .886688 .853590 .822746 .793950 .767024 .741804 .718144 .695914 .674998 .636684 .602474 .571766 .544066 .518962 .465448 .422144 .386358 .356294 .308458	41L 2 2,428048 2,164928 1,935666 1,735150 1,559144 1,404134 1,267178 1,145804 1,037934 ,941810 ,855934 ,779036 ,710022 ,647958 ,592034 ,541548 ,495894 ,454546 ,417036 ,323742 ,274502 ,233384 ,198912 ,169910 ,115558 ,079404 ,055024 ,038398 ,019920 ,009590	3 . 663772 3. 190994 2. 784760 2. 434770 2. 132462 1. 870716 1. 643572 1. 446040 1. 273916 1. 123658 . 992256 . 877154 . 776180 . 687470 . 669434 . 540700 . 480088 . 426582 . 379296 . 337470 . 267624 . 212698 . 169376 . 135116 . 107958 . 061988 . 035858 . 020870 . 012210 . 004234 . 001488	### 4 4. 484442 3. 730436 3. 113906 2. 607450 2. 189624 1. 843548 1. 555844 1. 315866 1. 115084 946616 804904 685418 .584454 498976 426480 .364892 .312496 .2678782 .197264 145680 107844 008002 .059456 .044260 .021290 .010314 .005024 .002458 .000146	1 1.069348 .825228 .641466 .502348 .396396 .315208 .252602 .204010 .166048 .136194 .112558 .093718 .078604 .066398 .056476 .048360 .041680 .036148 .031538 .027678 .021672 .017322 .014112 .011696 .009850 .006810 .005054 .003964 .003242 .002372 .001884	2 5.695668 4.324238 3.301616 2.535390 1.958390 1.521638 1.189292 .935024 .739424 588120 470430 .378376 .305978 .248726 .203208 .137606 .114012 .094872 .079270 .055994 .040132 .094872 .079270 .055994 .040132 .094872 .079270	3 5.685608 4.308786 3.282400 2.513726 1.935304 1.497922 1.165538 .911674 .716790 .566420 .449802 .358906 2.87700 .231646 .187310 .152074 .123946 .101394 .083236 .068556 .046938 .032502 .022732 .016044 .011416 .005030 .002300 .001084 .000526 .000132 .000036	49.378780 36.969660 27.798720 20.994140 15.924830 12.132700 9.283960 7.134904 5.506690 4.267828 3.321188 2.594780 2.035038 1.6015518 1.003146 .797756 636382 5509148 .408486 .264986 173526 .114592 .076242 .051064 .019214 .007438 .002944 .001186 .000202 .000036

TABLE 12 N. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 65$ degrees

		FLUX ON	NIDIRECTIONA	L GEOMETRIC	FACTORS (cm²	HeV)		
N	1	HILE 2	T CHANNEL 3	4	ı	LOLI 2	ET CHANNEL 3	4
•			_				_	•
.1 .2	.136570 .12 6 172	.895780 .782978	. 703400 . 603562	12.760620 10.529910	2.358282 1.754642	11.693140 8.618380	11.3651F 8.361354	190.113300 138.968000
.3	.116830	. 686660	.519204	8.721262	1.313388	6.382344	6.178464	101.948900
.4 .5	. 108424 . 100844	.604080 .532996	. 447698 . 386900	7.247726 6.041808	. 989444 . 750522	4.750180	4.586464 3.421016	75.071820 55.495280
.5 .6	.093994	.471582	. 335056	5.050778	.573434	3.554060 2.673812	2.564430	41.188060
.7	.087794	.418326	. 290726	4.233180	.441490	2.023148	1 932226	30.695080
.8 .9	.082170 .077062	.371990 .331542	.252722 .220062	3.556270 2.993988	. 34263 6 . 268136	1.539932 1.179318	1.463588	22.971420 17.264720
1.0	.072410	.296124	. 191928	2.525518	.211646	. 9 08822	. 853512	13.031870
1.1 1.2	.068168 .064294	.265022 .237632	. 167642 . 146632	2.134132 1.806324	. 168534 . 135412	.704842 .550176	. 657208 . 508876	9.879686 7.522688
1.3	.06^748	.213452	. 128424	1.531132	.109788	.432240	. 396218	5.752970
1.4	.057496	. 192050	.112616	1.299625	. 089824	.341786	. 310206	4.418614
1.5 1.6	.054508 .051762	. 173066 . 156188	. 098866 . 086888	1.104490 .939724	.074156 .061768	.272004 .217844	.244192 .193254	3.408252 2.639966
1.7	.049230	. 141152	.076438	.800376	.051900	. 175558	.153740	2.053266
1.8 1.9	.046892 .044732	. 127732 . 115732	.067310 .059324	. 682350 . 582248	.043980 .037578	.142344 .116098	.122926 .098770	1.603356 1.256892
2.0	.042730	.104982	.052330	.497242	.032362	.095234	.079736	.988996
2.2	.039152	.086670	.040814	. 363466	.024548	.065138	.052664	.618916
2. 4 2. 5	.036054 .033360	.071844 .059772	.031922 .025032	. 266388 . 195692	.019142 .015302	.045470 .032338	.035360 .024098	. 392494 . 251928
2.8	.031002	.049898	.019674	. 144054	.012504	.023390	.016642	. 163476
3.0	.028928	.041782	.015496	.106236	.010420	.017180	.011630	. 107120
3.5 4.0	.024720 .021538	.027132 .017 88 2	. 008600 . 004820	.049954 .023678	. 007094 . 005230	.008422 .004426	.004964	.038606 .014502
4.5	.019072	.011934	.002724	.011296	.004090	.002458	.001042	. 005622
5.0 6.0	.017116 .014234	.00 8050 .003762	.001550 .000510	.005418 .001262	.003338 .002438	.001430 .000538	.000504	.002234 .000374
7.0	.012224	.001808	.000172	.000298	.001930	.000338	.000034	.000066
8.0	.010754	.000888	. 000058	.000072	.001610	.000100	.000010	510000.
9.0 10.0	.009630 .008748	,000444 .000226	.000020 .000008	.000018	.001392 .001238	.000046 .000022	.000004	.000002 .000000
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
		DOSE ON	NIDIRECTIONA	L GEOMETRIC	FACTORS (cm²	HeV)		
			NIDIRECTIONA ET CHANNEL		FACTORS (cm ² iply by 10 ⁻³		CHANNEL	
N	1						CHANNEL 3	4
		HIL 2	ET CHANNEL 3	mult:	iply by 10 ^{.3}	LOLET	3	
N .1 .2	1 1.468542 1.389840	HIL 2 2.384358 2.128208	ET CHANNEL	mult	iply by 10 ^{.3}	LOLET		50.411040 37.786860
.1 .2 .3	1.468542 1.389849 1.317958	HIL 2 2.384358 2.128208 1.904800	3 3.578914 3.119534 2.724512	#4.356894 3.627366 3.030350	1.075928 .831090 .646666	5.777956 4.393088 3.359388	3 5.755130 4.367488 3.332000	50.411040 37.786860 28.448900
.1 .2 .3	1.468542 1.389840 1.317958 1.252168	2 2.384358 2.128208 1.904800 1.709204	3 3.578914 3.119534 2.724512 2.383910	4 4.356894 3.627366 3.030350 2.539510	1.075928 .831090 .646666 .506940	5.777956 4.393088 3.359388 2.584000	3 5.755130 4.367488 3.332000 2.555660	50.411040 37.786860 28.448900 21.513960
.1 .2 .3 .4 .5	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364	4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262	1.075928 .831090 .645666 .506940 .400444 .318768	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500
.1 .2 .3 .4 .5 .6	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308	2 2 . 384358 2 . 128208 1 . 904800 1 . 709204 1 . 537352 1 . 385838 1 . 251838	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796	4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742	1 1.075928 .831090 .645666 .506940 .400444 .318768 .255728	2 5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792
.1 .2 .3 .4 .5 .6 .7	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500
.1 .2 .3 .4 .5 .6 .7 .8	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294	2 2 .384358 2 .128208 1 .904800 1 .709204 1 .537352 1 .385838 1 .251838 1 .027200 .932862	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908	mult: 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 .925972	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .95966 760676 606240	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356794 5.687696 4.415994
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340	mult: 4 4.356894 3.627366 3.030350 2.539510 1.798262 1.518742 1.285406 1.090026 .925972 .787868	1 1.075928 .831090 .64566 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398	2 5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .95996 760676 606240 .485904	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840
.1 .2 .3 .4 .5 .6 .7 .8	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294	2 2 .384358 2 .128208 1 .904800 1 .709204 1 .537352 1 .385838 1 .251838 1 .027200 .932862	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908	mult: 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 .925972	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .95966 760676 606240	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356794 5.687696 4.415994
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.085308 1.085406 1.094636 .954294 .916860 .882060 .849654 .819424	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.251838 1.027200 .932862 .848500 .772682 .704954 .643806	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722	mult: 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 925972 787868 671338 572804 489328	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .995328 .0980012	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .95996 .760676 .606240 .485904 .391612 .317316	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500 .772882 .704954 .643806 .588658	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152	## 4.356894 3.627365 3.030350 2.539510 1.798262 1.518742 1.285405 1.090026 6.925972 7.87868 671338 .572804 4.489328 4.18480	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .080012 .067626	5.777956 4.393088 3.359388 2.584000 1.999402 1.5556322 1.218692 .959996 760676 606240 .485904 .391612 .317316 .258450 .211558	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 2.219890	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176 .764736	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500 .772882 .704954 .643806 .588658 .538828 .493730	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.419966 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.285406 1.090026 925972 787868 671338 .572804 .489328 .418480 .388256 .306984	1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .138298 .114398 .114398 .095328 .080012 .067626 .057548 .042494	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 959996 760676 606240 485904 391612 317316 258450 211558 1174008	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .882060 .882060 .849654 .819424 .791176 .764736 .739950 .716678	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.251838 1.027200 .932862 .848500 .772682 .704954 .643806 .588658 .538828 .493730 .452848	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500	## 4 . 356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 .925972 .787868 .671338 .572804 .489328 .418480 .358256 306984 .263278	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .95328 .086012 .067626 .057548 .049296	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .95996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100 .105806	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 8.36940 669038
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176 .764736	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500 .772882 .704954 .643806 .588658 .538828 .493730	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.419966 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.285406 1.090026 925972 787868 671338 .572804 .489328 .418480 .388256 .306984	1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .138298 .114398 .114398 .095328 .080012 .067626 .057548 .042494	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 959996 760676 606240 485904 391612 317316 258450 211558 1174008	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.0 2.2	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500 .772882 .704954 .643806 .588658 .538828 .493730 .452848 .415732 .381988	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .374980 .333804 .264984	## 4 4.356894 3.627366 3.030350 2.339510 2.134226 1.798262 1.285406 1.090026 925972 .787868 671338 .572804 .489328 .418480 388256 306984 .263278 .225972 .194096 .143486	1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .114398 .095328 .080012 .067626 .057548 .042494 .036856 .032156 .028214	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 9.59996 760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100 .105806 .087016 .071798 .049328	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 5.36400 .431260 .280946
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396 .602608	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.027200 .932862 .848500 .772682 .704954 .643806 .588658 .538828 .493730 .452848 .415732 .381988 .323274 .274386	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .374980 .333804 .264984 .210800	## 4 . 356894 3.627366 3.030350 2.533510 2.134226 1.798262 1.285406 1.99026 925972 .787868 .671338 .572804 .489328 .418480 .358256 306984 .263278 .225972 .194096 .143486 .106322	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .913328 .080012 .067626 .057548 .049296 .042494 .036856 .032156	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .95996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100 .105806 .087016 .071798 .049328 .034266	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 8.36940 669038 .536400 4.31260 2.289946 .184754
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396 .602608 .572238	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .704954 .643806 .538828 .493730 .452848 .415732 .381988 .323274 .274386 .233506 .199188	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .373804 .264984 .210800 .168016 .134146	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.825406 1.090026 925972 787868 469328 418480 358256 306984 2653278 225972 194096 143486 106322 078946	1 .075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .087626 .057548 .042494 .016856 .032166 .028214 .022074 .017622 .014330 .011856	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .959996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942 .042334 .030798	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .370228 .297356 .239890 .194352 .158096 .129100 .108806 .071798 .049328 .034266 .024038 .017012	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 .536400 .431260 .280946 .184754 .122520 .081854
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.0	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674486 .636396 .602608 .572238 .544808	#IL 2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500 .772882 .704954 .643806 .588658 .538828 .493730 .452848 .415732 .381988 .323274 .274386 .233506 .199188 .170282	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .374980 .333804 .264984 .210800 .168016 .134146 .107272	## 4 4.356894 3.627366 3.030350 2.339510 2.134226 1.798262 1.285406 1.090026 925972 787888 671338 .572804 489328 418480 338256 306984 263278 225972 194096 143486 106322 07886 058724 058724	1 .075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .080012 .067626 .057548 .049296 .042494 .036856 .032156 .022074 .017622 .014330 .011856 .009962	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 959996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942 .042334 .030798 .022672 .016874	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100 .105806 .087016 .071798 .049328 .034266 .024038 .017012	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 5.36400 .431260 .280946 .184754 1.22520 .081854 .055048
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.6 3.5 3.5 3.5 3.5 3.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176 .764736 .716678 .694794 .674186 .63396 .602608 .572238 .544808	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.027200 .932862 .848500 .772882 .704954 .643806 .588658 .538828 .493730 .452848 .415732 .381988 .323274 .274386 .233506 .199188 .170282 .116016	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .607722 .601152 .533662 .474108 .421500 .374980 .33804 .264984 .210800 .168016 .134146 .107272 .061708	## 4 4.356894 3.627366 3.030350 2.5339510 2.134226 1.798262 1.518742 1.285406 1.990026 925972 .787868 671338 .572804 489328 .418480 .358256 306984 .263278 .225972 .194046 .058724 .043752 .021086	1 1.075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .080012 .067626 .057548 .049296 .042494 .036856 .032156 .028214 .022074 .017622 .014330 .011856 .009962	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .95996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942 .042334 .030798 .022672 .016874 .008416	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .087016 .0071798 .049328 .034266 .024038 .017012 .012134	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 .536400 .431260 .280946 .184754 .122520 .081854
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396 .672608 .572238 .544808 .519926 .466800 .423726 .388092	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500 .772882 .704954 .643806 .588658 .538828 .493730 .452848 .415732 .381988 .323274 .274386 .23366 .239188 .170282 .116016 .079834 .055390	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .373804 .264984 .210800 .168016 .134146 .107272 .061708 .035754 .020840	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 925972 787868 418480 489328 418480 358256 306984 263278 225972 194096 143486 106322 078946 058724 043752 021086 010234 004994	1 .075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .087626 .057548 .042494 .036856 .032156 .028214 .022074 .017622 .014330 .011856 .009962 .006856 .009558	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .959996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942 .042334 .03798 .022672 .016874 .008416	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .219890 .194352 .158096 .129100 .105806 .071798 .049328 .034266 .024038 .017012 .012134 .005372	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 .536400 .431260 .280946 .184754 .122520 .081854 .055048
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.9 2.2 2.4 2.6 3.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .882060 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396 .602608 .572238 .544808 .519926 .466800 .423726 .388092 .358102	### A 15	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .374980 .333804 .264984 .210800 .168016 .134146 .107272 .061708 .035754 .020840 .012208	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 925972 787868 671338 .572804 489328 .418480 .358256 265278 225972 194096 .106322 .078946 .058724 .043752 .021086 .010234 .004994	1 .075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .080012 .067626 .057548 .049296 .042494 .036856 .032156 .02074 .017622 .014330 .011856 .009962 .006850 .003950 .003950	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 959996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 1174008 143782 .119330 .099456 .083224 .058942 .042334 .030798 .022672 .016874 .008416 .004432	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .087016 .071798 .049328 .034266 .024038 .017012 .012134 .005372 .002464	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 5.36400 .431260 .280946 .184754 .122520 .081854 .055048 .020920 .008176 .001328
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	1.468542 1.389849 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396 .672608 .572238 .544808 .519926 .466800 .423726 .388092	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .848500 .772882 .704954 .643806 .588658 .538828 .493730 .452848 .415732 .381988 .323274 .274386 .23366 .239188 .170282 .116016 .079834 .055390	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .373804 .264984 .210800 .168016 .134146 .107272 .061708 .035754 .020840	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 925972 787868 418480 489328 418480 358256 306984 263278 225972 194096 143486 106322 078946 058724 043752 021086 010234 004994	1 .075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .087626 .057548 .042494 .036856 .032156 .028214 .022074 .017622 .014330 .011856 .009962 .006856 .009558	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .959996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942 .042334 .03798 .022672 .016874 .008416	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .219890 .194352 .158096 .129100 .105806 .071798 .049328 .034266 .024038 .017012 .012134 .005372	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 .536400 .431260 .280946 .184754 .122520 .081854 .055048
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 4.2 2.6 3.0 3.5 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396 .674186 .636396 .572238 .544808 .572238 .544808 .519926 .466800 .423726 .388092 .358102 .310340 .273898 .245092	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .704954 .643806 .538828 .493730 .452848 .415732 .381988 .323274 .274386 .233506 .199188 .170282 .116016 .079384 .055390 .038694 .019200 .009692 .004958	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .374980 .333804 .264984 .210800 .168016 .134146 .107272 .061708 .035754 .020840 .012208 .004242 .001530	## 4 4.356894 3.627366 3.030350 2.334226 1.798262 1.285406 1.090026 925972 787868 671338 .572804 .489328 .418480 .553278 .2653278 .225972 .194096 .143486 .106322 .078946 .058724 .043752 .021086 .010234 .004994 .000594 .000594	1 .075928 .831090 .645666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .087626 .057548 .042494 .036856 .032156 .022074 .017622 .014330 .011856 .009962 .006850 .009962 .006850 .003250 .003220 .003220 .003220	5.777956 4.393088 3.359388 2.584000 1.999402 1.556322 1.218692 .959996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942 .042334 .030798 .022672 .016874 .008416 .008416 .00408 .000516 .000210 .000092	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100 .105806 .087016 .071798 .049328 .0314266 .024038 .017012 .012134 .005372 .002464 .000140 .000164	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 836940 669038 536400 431260 .280946 184754 .122520 .081854 .055048 .020920 .008176 .003266 .001328 .00028
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.0 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.468542 1.389840 1.317958 1.252168 1.191828 1.136374 1.085308 1.038192 .994636 .954294 .916860 .842060 .849654 .819424 .791176 .764736 .739950 .716678 .694794 .674186 .636396 .602608 .572238 .544808 .519226 .466800 .423726 .388092 .310340 .273898	2 2.384358 2.128208 1.904800 1.709204 1.537352 1.385838 1.251838 1.132958 1.027200 .932862 .704954 .643806 .588658 .538828 .493730 .452848 .415732 .381988 .323274 .274386 .233506 .199188 .170282 .116016 .079834 .055390 .038694 .019200 .009692	3 3.578914 3.119534 2.724512 2.383910 2.089486 1.834364 1.612796 1.419966 1.251814 1.104908 .976340 .863642 .764702 .677722 .601152 .533662 .474108 .421500 .374980 .333804 .264984 .210800 .168016 .134146 .107272 .061708 .035754 .020840 .012208 .004242 .001492	## 4 4.356894 3.627366 3.030350 2.539510 2.134226 1.798262 1.518742 1.285406 1.090026 925972 787868 671338 .572804 .489328 .418480 .358256 .306984 .263278 .225972 .194096 .143486 .106322 .078946 .058724 .043752 .021086 .010234 .004994 .002448 .000594	1 .075928 .831090 .646666 .506940 .400444 .318768 .255728 .206752 .168452 .138298 .114398 .095328 .080012 .067626 .057548 .049296 .042494 .036856 .032156 .028214 .022074 .017622 .014330 .011856 .009962 .005058 .003950 .00350	5.777956 4.393088 3.3593080 1.999402 1.556322 1.218692 .959996 .760676 .606240 .485904 .391612 .317316 .258450 .211558 .174008 .143782 .119330 .099456 .083224 .058942 .042334 .058942 .042334 .058942 .04234 .058942 .04234	3 5.755130 4.367488 3.332000 2.555660 1.970782 1.527966 1.191008 .933288 .735150 .582032 .463092 .370228 .297356 .239890 .194352 .158096 .129100 .105806 .087016 .071798 .049328 .034266 .024038 .017012 .012134 .005544 .000564	50.411040 37.786860 28.448900 21.513960 16.342370 12.469500 9.556792 7.356724 5.687696 4.415994 3.442840 2.694938 2.117708 1.670342 1.322216 1.050240 .836940 .669038 .536400 .431260 .280946 .184754 .122520 .081854 .055048 .020920 .008176 .001328 .000228 .000042

TABLE 12 O. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 70$ degrees

				L GEOMETRIC	FACTORS (cm²	•		
N	1	HIL 2	ET CHANNEL 3	4	1	LOI Ž	LET CHANNEL 3	4
.1	. 135268	. 882330	. 690526	12.489040	2.386712	12.000840	11.677080	197.226000
.2	. 125128	.772338	.593164	10.314530	1.775756	8.847642	8.592822	144.220700
.3 .4	.116008 .107792	. 678304 . 597 58 2	.510816 .440940	8.550188 7.111696	1.329172 1.001322	6.554214 4.879848	6.351172 4.716076	105.846300 77.977640
. 5	.100372	. 528008	.381466	5.933532	. 759522	3.652546	3.518878	57.672660
. 6	.093660	.467818	.330698	4.964532	. 580302	2.749128	2.638782	42.827940
.7 .8	.087578 .082054	.415554 .370018	.287242 .249948	4.164464 3.501514	.446768 .346718	2.081144 1.584910	1.989076 1.507336	31.936620 23.916360
.9	.077028	. 330216	.217864	2.950362	.271314	1.214446	1.148496	17.987760
1.0 1.1	.072448 .068266	.295314 .264624	. 190198 . 166292	2.490786 2.106512	.214136 .170496	.936450 .726720	.879928 .677934	13.588050 10.309790
1.2	.064440	.237562	. 145588	1.784384	. 136964	.567618	. 525240	7.857032
1.3 1.4	.060934 .057718	.213636 .192434	. 127628 . 112018	1.513736 1.285862	. 111022 . 090 8 08	.446232 .353082	.409218 .320594	6.014194 4.623730
1.5	.054758	. 173600	.098428	1.093636	.074940	.281174	.252538	3.570084
1.6 1.7	.052032 .049518	. 156834 . 141880	.086578 .076230	.931192 .793698	. 062394 . 052400	.225330 .181700	. 199996 . 159216	2.768238 2.155388
1.8	.047196	. 128516	.067182	.677150	.044378	. 147406	.127394	1.684998
1.9	.045046	. 116552 . 105 8 22	. 059258 . 052314	, 578226 , 494154	.037 892 .032610	.120288 .098716	. 102432 . 082748	1.322422 1.041792
2.0 2.2	. 043052 . 039482	.087514	.040862	.361702	.032610	.067568	.054726	.653542
2.4	.036386	.072656	.032006	.265446	.019220	.047186	.036790	.415488
2.6 2.8	.033688 .031324	.060536 .050 6 02	.025132 .019780	. 195252 . 143906	.015332 .012502	.033560 .024268	.025100 .017352	.267362 .173930
3.0	.029240	.042424	.015598	. 106252	.010398	.017814	.012136	. 114260
3.5 4.0	.025004 .021794	.027620 .018240	.008682 .004878	.050104 .023810	.007042 .005170	.008706 .004552	.005186 .002330	.041434 .015656
4.5	.019300	.012192	.002762	.011386	.004030	.002516	.001088	.006104
5.0 6.0	.017320 .014400	.008234 .003854	.001574 .000520	.005474 .001280	.003284 .002392	.001454 .000540	.000524	.002438 .000412
7.0	.012364	.001854	.000320	.001280	.001894	.000222	.000036	.000074
8.0	.010870	.000912	.000060	.000072	.001582	.000098	.000010	.000014
9.0 10.0	.009734 .008838	.000456 .000232	.000020 .000008	.000018	.001370 .001218	.000046 .000022	.000004	.000002
					FACTORS (cm²			
			NIDIRECTIONA ET CHANNEL		FACTORS (cm ² iply by 10 ⁻³		ET CHANNEL	
H	1						ET CHANNEL	4
.1	1 1.449662	HIL	3 3.504144	mult	iply by 10 ⁻³	LOLI 2 5.836002		51.178320
.1 .2	1.449662 1.373136	HIL 2 2.340992 2.091464	3 3.504144 3.056542	#4.253658 3.543488	iply by 10 ⁻³ 1 1.079948 .834814	LOLI 2 5.836002 4.442638	3 5.809268 4.413430	51.178320 38.399440
.1 .2 .3	1.449662	HIL 2 2.340992	3 3.504144	mult 4 4.253658	iply by 10 ⁻³ 1 1.079948	LOLI 2 5.836002	3 5.809268	51.178320
.1 .2 .3 .4	1.449662 1.373136 1.303180 1.239092 1.180260	HIL 2 2.340992 2.091464 1.873632 1.682750 1.514880	3.504144 3.056542 2.671360 2.339006 2.051496	4.253658 3.543488 2.961990 2.483654 2.088474	1 1.079948 .834814 .650068 .510018	5.836002 4.442638 3.401712 2.620168 2.030338	3 5.609268 4.413430 3.370984 2.588750 1.998890	51.178320 38.399440 28.940160 21.909500 16.662090
.1 .2 .3 .4 .5	1.449662 1.373136 1.303180 1.239092 1.180260 1.126142	HIL 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700	1 1.079948 .834814 .650068 .510018 .403206 .321234	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858	51.178320 38.399440 28.940160 21.909500 16.662090 12.728920
.1 .2 .3 .4 .5 .6 .7	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202	HIL 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166	3.504144 3.056542 2.671360 2.339006 2.051496 1.805186 1.585514 1.396812	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 -979464	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584	51.178320 38.399440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254
.1 .2 .3 .4 .5 .6 .7	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580	WIL 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487898 1.25936 1.068994	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 .979464 .777392	3 5.609268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886	51.178320 38.39440 28.3940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380	WIL 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .968578 .773464	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 .979464 .777362 .620606 .498262	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 594596 .473814	51.178320 38.399440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052 4.532160 3.538548
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242	2 2,340992 2,091464 1,873632 1,682750 1,514880 1,366744 1,235608 1,119166 1,015478 922906 840050 765718	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 .851530	4 4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 6.659394	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716	2 5.836002 4.442638 3.401712 2.620168 2.030388 1.582804 1.241388 .979464 .777392 .620606 .498262 .402252	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .594596 473814 .379386	51.178320 38.399440 28.940160 21.909500 16.662090 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 987580 .948072 .911380 .877242 .845426 .815724	2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678	3.504144 3.056542 2.671360 2.39006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 .851530 .754386 .668930	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .662888 .481086	1 1.079948 .834814 .650058 .510018 .403206 .321234 .257916 .208658 .170160 .139800 .115716 .096482 .081018	2 5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 .979464 .777392 .620606 .498262 .402252 .326482 .266354	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .594596 .473814 .379386 .305186 .246588	51.178320 38.399440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980 2.183136 1.724614
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948	2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 922906 .840050 .765718 .69888 .638678 .584330	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.08184 962114 .851530 .754386 .668930 .593656	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.06994 .908578 .773464 .659394 .562888 .481086	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .115716 .096482 .081018	\$.836002 \$.442638 \$.401712 2 .620168 2 .030338 1 .582804 1 .241388 .979464 .777392 .620606 .498262 .402252 .2266354 .218380	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 473814 .379386 .305186 .246588 .200086	51.178320 38.399440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980 2.183136 1.724614 1.367318
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932	2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186	3.504144 3.056542 2.671360 2.39006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 .851530 .754386 .668930	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .652888 .481086 411662 .352546	1 1.079948 .834814 .650058 .510018 .403206 .321234 .257916 .208658 .170160 .139800 .115716 .096482 .081018	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 979464 .777392 620606 .498262 .402252 .326482 .218380 .179898	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .594596 .473814 .379386 .305186 .246588 .200086 .163010	51.178320 38.399440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980 2.183136 1.724614
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590	2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .450294	3.504144 3.056542 2.671360 2.39006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 .851530 .754386 .668930 .593656 .527270 .468656 .416850	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .562888 .481086 .411622 .352546 .302226 .259310	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066	\$.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 .979464 .777392 .620606 .498262 .402252 .326482 .218380 .179898 1.48872 .123732	3 5.609268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .594596 .473814 .305186 .246588 .200086 .163010 .133312 .109422	51.178320 38.393440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980 2.183136 1.724614 1.367318 1.087786 .860250 .695182
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012	2 2,340992 2,091464 1,873632 1,682750 1,514880 1,366744 1,235608 1,119166 1,015478 922906 ,840050 ,765718 ,69886 638678 ,584330 ,535186 490674 ,450294 ,413606	3.504144 3.056542 2.671360 2.399006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 .851530 .754386 .668930 .593656 .527270 .468656 416850 .371012	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .659394 .611622 .352546 .29310 .222662	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350	\$.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 .979464 .777392 .620606 .498262 .402252 .266354 .218380 .179898 .148872 .123732 .103264	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .594596 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .090422 .090120	51.178320 38.399440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980 2.183136 1.724614 1.367318 1.087786 .868250 .695182 .558260
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .635356	2 2,340992 2,091464 1,873632 1,682750 1,514880 1,366744 1,235608 1,119166 1,015478 922906 840050 ,765718 69886 638678 ,535186 490674 450294 413606 380230 ,322094	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 8.851530 .754386 .668930 .593656 .527270 .468656 .416850 .371012 .330418 .262522	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.25936 1.068994 .908578 .773464 .659394 .562888 .481086 .411622 .352546 .302226 .259310 .222662 .191334 .141556	1 .079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .043066 .037350 .032578 .022334	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 979464 .777392 .620606 .498262 .402252 .326482 .266354 .218380 179898 .148872 .123732 .103264 .086520 .061416	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 7.49886 .594596 .473814 .379386 .246588 .200086 .163010 .133312 .109422 .0074464 .051298	51.178320 38.399440 28.940160 21.909500 16.662090 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980 2.183136 1.724614 1.367318 1.087786 .868250 .695182 .558260 .449564 .293816
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .771932 .714590 .693012 .672676 .635356 .601946	2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .450294 .413606 .380230 .322094 .273628	3.504144 3.056542 2.671360 2.39006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 .851530 .754386 .668930 .593656 .527270 .468656 .416850 .371012 .330418 .262522 .209010	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.058994 .908578 .773464 .659394 .552888 .481086 .411622 .352546 .302226 .259310 .222662 .191334 .141556 .104974	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .028576	\$.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 979464 .777392 .620606 .498262 .402252 .326462 .218380 .179898 1.48872 .123732 .103264 .0865416 .044192	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 749886 .594596 473814 3.305186 .246588 .200086 .163010 .133312 .109422 .090120 .074464 .051298 .035724	51.178320 38.39440 28.940160 21.909500 16.662090 12.728920 9.768004 7.529254 5.829052 4.532160 3.538548 2.773980 2.183136 1.724614 1.367318 1.087786 .868250 .695182 .558260 .449564 .293816 .193842
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .635356 .601946 .571884 .544710	2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .450294 .413606 .380230 .322094 .273628 .233052 .198952	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 962114 851530 .754386 668930 .593656 527270 .468656 416856 416856 371012 330418 .262522 209010 .166716 .133206	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .562888 .481086 .411622 .352546 .302226 .259310 .222662 .191334 .141556 .104974 .078002	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .022334 .017804	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 979464 777392 620606 498262 402252 326482 2266354 218380 179898 148872 123732 103264 086520 061416 044192	3 5.609268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .109422 .009424 .051298 .035724 .051298 .035724 .025120 .017816	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .695182 .558260 .449564 .293816 .193842 .128956 .086426
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .8157242 .787948 .761932 .737522 .714590 .693012 .672676 .635356 .601946 .571884 .544710	2 2,340992 2,091464 1,873632 1,682750 1,514880 1,366744 1,235608 1,119166 1,015478 922906 840050 ,765718 69886 638678 ,584330 ,535186 490674 450294 413606 380230 322094 273628 233052 1,798952	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 962114 851530 .754386 .668930 .593656 .527270 .468656 .416850 .371012 .330418 .262522 .209010 .166716 .133206 .105592	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.25936 1.068994 .98578 .773464 .659394 .562888 .481086 .411622 .352546 .302226 .259310 .222662 .191334 .141556 .104974 .078002 .058064 .043288	1 .079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .022334 .017804 .014454	2 5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 979464 .777392 .620606 .498262 .402252 .326482 .266354 .218380 179898 .148872 .123732 .103264 .086520 .061416 .044192 .032196 .023724 .017666	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 7.49886 .594596 .473814 .379386 .246588 .200086 .163010 .133312 .109422 .090120 .074464 .051298 .035724 .025120 .017816 .012734	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .695182 .558260 .449564 .293816 .193842 .128956 .086426 .058302
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .635356 .601946 .571884 .544710	2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .450294 .413606 .380230 .322094 .273628 .233052 .198952	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 962114 851530 .754386 668930 .593656 527270 .468656 416856 416856 371012 330418 .262522 209010 .166716 .133206	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .562888 .481086 .411622 .352546 .302226 .259310 .222662 .191334 .141556 .104974 .078002	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .022334 .017804	5.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 979464 777392 620606 498262 402252 326482 2266354 218380 179898 148872 123732 103264 086520 061416 044192	3 5.609268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .109422 .009424 .051298 .035724 .051298 .035724 .025120 .017816	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .695182 .558260 .449564 .293816 .193842 .128956 .086426
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.5	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .635356 .601946 .571884 .544710 .520034 .467286 .424452 .388972	411. 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .450294 .413606 .380230 .322094 .273628 .233052 .198952 .170200 .116138 .080022	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 962114 .851530 .754386 .668930 .754386 .668930 .593656 .527270 .468656 416850 .371012 .330418 .262522 .209010 .166716 133206 .106592 .061414 .035632	4.253658 3.543488 2.961902 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .655394 .552888 .481086 .411622 .259310 .22266 .259310	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .022334 .017804 .011934 .010006 .006840 .005024	\$ 1.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 979464 777392 620606 498262 402252 326482 2266354 218380 179898 148872 123732 103264 086520 061416 044192 032196 0023724 017666 008806 004624	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .109422 .009424 .005660 .012734 .005660 .002602 .001230	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 12. 728920 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .695182 .558260 .449564 .293816 .193842 .128956 .086426 .058302 .022324 .008786 .003534
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 987580 .948072 9911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .601946 .571884 .544710 .520034 .467286 .424452	#IL 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .49674 .413606 .380230 .322094 .413606 .380230 .322094 .273628 .233052 .198952 .170200 .116138 .080022	3 3.504144 3.056542 2.671360 2.39006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 .962114 .851530 .754386 .668930 .593656 .527270 .46656 4416850 .371012 .330418 .262522 .209010 .166716 .133206 .106592 .061414 .035632	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.058994 .908578 .773464 .659394 .562888 .481086 .411622 .3252546 .302226 .325310 .222662 .191334 .141556 .104974 .078002 .058064 .043288 .020896	1 1.079948 .834814 .650058 .510018 .403206 .321234 .257916 .208688 .170160 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .028576 .022334 .017804 .017804 .01934	\$.836002 4.442638 3.401712 2.620168 2.030338 1.582804 1.241388 .979464 .777392 .620606 .498262 .402252 .326482 .218380 .179898 .148872 .103264 .086520 .061416 .044192 .032196 .023724 .017666 .008806 .004624	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .7594596 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .109422 .090120 .074464 .051298 .035724 .025120 .017816 .012734 .005660	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 12. 728920 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .695182 .558260 .449564 .293816 .193842 .128956 .086426 .058302 .022324 .008786
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 4.5 5.6 6.7	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 987580 .948072 9911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .601946 .571884 .544710 .520034 .467286 .424452 .389972 .359084 .311442 .275056	#IL 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .413606 .380230 .322094 .213628 .233052 .198952 .170200 .116138 .080022 .055580 .038862 .019310 .009760	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.885514 1.396812 1.232144 1.088184 962114 851530 .754386 668930 .593656 .527270 .468656 .416850 .371012 .330418 .262522 .209010 .166716 .133206 .106592 .061414 .035632 .020794 .012194 .004244 .001496	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .562888 .481086 .411622 .352546 .302226 .259310 .222662 .191334 .141556 .104974 .078002 .058064 .043288 .020896 .010156 .004962 .002436	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .028576 .02334 .011934 .011934 .011934 .011934 .019906 .003176 .003176 .003176	\$ 1.836002 \$ 4.442638 \$ 3.401712 \$ 2.620168 \$ 2.030338 \$ 1.582804 \$ 1.241388 \$.979464 \$.777392 \$ 620606 \$ 498262 \$ 402252 \$ 326462 \$ 2163360 \$ 179898 \$ 148872 \$ 123732 \$ 103264 \$ 086520 \$ 061416 \$ 044192 \$ 032196 \$ 0032196 \$ 0032564 \$ 0004624 \$ 0005260 \$ 0000526 \$ 0000212	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .109422 .090120 .074464 .051298 .035724 .025120 .017816 .012734 .005660 .002602 .001230 .000596 .000148 .000040	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 12. 728920 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .49564 .293816 .193842 .123856 .086426 .058302 .022324 .008786 .003534 .001446 .000786 .003534
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 .987580 .948072 .911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .635356 .601946 .571884 .544710 .520034 .467286 .424452 .388972 .359084 .311442 .275056 .246272	411. 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .450294 .413606 .380230 .322094 .273628 .233052 .198952 .170200 .116138 .080022 .055580 .038862 .019310 .009760 .004998	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.585514 1.396812 1.232144 1.088184 962114 .851530 .754386 .668930 .754386 .668930 .593656 416850 .371012 .330418 .262522 .209010 .166716 133206 .106592 .061414 .035632 .026794 .012194 .004244 .001496 .000532	4.253658 3.543488 2.96190 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .655394 .552888 .481086 .411622 .332546 .302226 .259310 .222662 .259310 .222662 .191334 .141556 .104974 .078002 .058064 .043288 .020896 .010156 .004962 .002436 .000592 .000146	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .022334 .017804 .011934 .010006 .006840 .005024 .003906 .003176 .002310 .001830 .001532	\$ 1.01.0 LOLU	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .594596 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .109422 .090120 .074464 .051298 .035724 .025120 .017816 .012734 .005600 .002602 .001230 .000596 .000148 .000040	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 12. 728920 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .695182 .558260 .449564 .293816 .193842 .128956 .086426 .058302 .022324 .008786 .003534 .001446 .000252 .000046
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 4.5 5.6 6.7	1.449662 1.373136 1.303180 2.239092 1.180260 1.126142 1.076262 1.030202 987580 .948072 9911380 .877242 .845426 .815724 .787948 .761932 .737522 .714590 .693012 .672676 .601946 .571884 .544710 .520034 .467286 .424452 .389972 .359084 .311442 .275056	#IL 2 2.340992 2.091464 1.873632 1.682750 1.514880 1.366744 1.235608 1.119166 1.015478 .922906 .840050 .765718 .698886 .638678 .584330 .535186 .490674 .413606 .380230 .322094 .213628 .233052 .198952 .170200 .116138 .080022 .055580 .038862 .019310 .009760	3.504144 3.056542 2.671360 2.339006 2.051496 1.802186 1.885514 1.396812 1.232144 1.088184 962114 851530 .754386 668930 .593656 .527270 .468656 .416850 .371012 .330418 .262522 .209010 .166716 .133206 .106592 .061414 .035632 .020794 .012194 .004244 .001496	4.253658 3.543488 2.961990 2.483654 2.088474 1.760700 1.487838 1.259936 1.068994 .908578 .773464 .659394 .562888 .481086 .411622 .352546 .302226 .259310 .222662 .191334 .141556 .104974 .078002 .058064 .043288 .020896 .010156 .004962 .002436	1 1.079948 .834814 .650068 .510018 .403206 .321234 .257916 .208688 .170160 .139800 .115716 .096482 .081018 .068504 .058312 .049956 .043066 .037350 .032578 .028576 .02334 .011934 .011934 .011934 .011934 .019906 .003176 .003176 .003176	\$ 1.836002 \$ 4.442638 \$ 3.401712 \$ 2.620168 \$ 2.030338 \$ 1.582804 \$ 1.241388 \$.979464 \$.777392 \$ 620606 \$ 498262 \$ 402252 \$ 326482 \$ 266364 \$ 218380 \$ 179898 \$ 148872 \$ 123732 \$ 103264 \$ 086520 \$ 061416 \$ 044192 \$ 032196 \$ 023724 \$ 017666 \$ 008806 \$ 008624 \$ 0002540 \$ 0001452 \$ 000526	3 5.809268 4.413430 3.370984 2.588750 1.998890 1.551858 1.211328 .950584 .749886 .473814 .379386 .305186 .246588 .200086 .163010 .133312 .109422 .090120 .074464 .051298 .035724 .025120 .017816 .012734 .005660 .002602 .001230 .000596 .000148 .000040	51. 178320 38. 399440 28. 940160 21. 909500 16. 662090 12. 728920 9. 768004 7. 529254 5. 829052 4. 532160 3. 538548 2. 773980 2. 183136 1. 724614 1. 367318 1. 087786 .868250 .49564 .293816 .193842 .123856 .086426 .058302 .022324 .008786 .003534 .001446 .000786 .003534

TABLE 12 P. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 75$ degrees

				. GEOMETRIC	FACTORS (cm ²			
×	1	WILE 2	T CHANNEL 3	4	1	LOL 2	ET CHANNEL 3	4
•	•	•	•	•	•	•	•	•
.1	. 134808	. 871366 . 763716	. 680132 . 584752	12.243280	2.409672	12.238880	11.918990 8.772144	202.919200 148.422600
.2 .3	.124804 .115802	.671570	.504012	10.120730 8.397010	1.792550 1.341510	9.024674 6.686674	6.484850	108.961900
.4	. 107684	. 592372	.435440	6.990350	1.010428	4.979570	4.816318	80.299020
.5	.100348	. 524028 . 464828	.377026 .327120	5.837254 4.888028	.766272	3.728122	3.594484	59.411020 44.136340
.6 .7	.093708 .087684	.413362	.284366	4.103600	. 585328 . 450524	2.806786 2.125438	2.696176 2.032922	32.926640
.8	.082208	. 368466	.247644	3.453046	. 349534	1.619180	1.541048	24.669480
.9 1.0	.077224 .072676	.329176 .294684	.216024 .188736	2.911752 2.460016	.273432 .215728	1.241140 .957388	1.174588 .900254	18.563710 14.030910
1.1	.068522	.264318	.165136	2.081994	.171694	.743258	.693872	10.652130
1.2	.064718	.237512	. 144684	1.764858	. 137862	. 580764	.537816	8.123062
1.3 1.4	.061230 .058024	.213788 .192738	.126924 .111478	1.498198	.111692	.456750	.419202 .328568	6.221998 4.786864
1.5	.055076	. 174022	.098020	1.273514 1.083836	.091300 .0752 9 8	. 361546 . 288026	.258944	3.698776
1.6	.052358	. 157344	.086276	.923432	.062646	.230906	.205170	2.870234
1.7	.049848	. 142454	.076014	.787572	.052568	. 186260	. 163414	2.236590
1.8 1.9	.047528 .045378	. 129132 . 117196	.067034 .05 9 164	. 672328 . 574446	.044482 .037946	. 151152 . 123378	. 130820 . 105238	1.749918 1.374540
2.0	.043384	.106480	.052262	491206	.032622	. 101274	.085058	1.083790
2.2	.039808	.088172	.040870	.359946	.024650	.069340	.056306	. 681 102
2.4 2.6	.036704 .033996	.073292 .061134	.032048 .025190	.264438 .194708	.019140	. 04 8 424 . 034432	.037888 .025870	.433800 .279664
2.8	.031620	.051152	.019844	. 143648	.015230 .0123 88	.024886	.017896	. 182272
3.0	.029524	.042926	.015664	. 106162	.010274	.018254	.012524	.119962
3.5	.025256	.028002 .018522	.008738	.050172	.006918	.008892	.005356	.043700
4.0 4.5	.022016 .019496	.018322	.004918 .002790	.023892 .011448	.005056 .003926	.004630 .002544	.002406 .001124	.016584 .006492
5.0	.017494	.008380	.001594	.005512	.003190	.001462	.000540	.002604
6.0	.014536	.003926	.000528	.001294	.002320	.000538	.000134	.000442
7.0 8.0	.012476 .010964	.001890 .000930	.000178 .000060	.000308 .000074	.001836 .001534	. 000220 . 000096	.000036	. 000080
9.0	.009814	.000466	.000022	.000018	.001330	. 000044	.000004	.000002
10.0	.008908	.000236	.000008	.000004	.001186	.000022	.000000	.000000
			NIDIRECTIONAL ET CHANNEL		FACTORS (cm ³ iply by 10 ⁻³		ET CHANNEL	
N	1						ET CHANNEL	4
.1	1.441654	NIL: 2 2.305582	ET CHANNEL 3 3.444164	mult 4 4.160634	iply by 10 ⁻³ 1 1.085018	LOL 2 5.881736	3 5.849516	51.773920
.1 .2	1.441654 1.366296	HIL 2 2.305582 2.061628	3 3.444164 3.005984	mult 4 4.160634 3.468222	iply by 10 ⁻³ 1 1.085018 .839084	LOL 2 5.881736 4.481538	3 5.849516 4.447676	51.773920 38.876900
.1 .2 .3	1.441654 1.366296 1.297364	HIL 2 2.305582 2.061628 1.848456	3 3.444164 3.005984 2.628676	# 4.160634 3.468222 2.900896	1.085018 .839084 .653672	LOL 2 5.881736 4.481538 3.434828	3 5.849516 4.447676 3.400130	51.773920 38.876900 29.324400
.1 .2 .3 .4	1.441654 1.366296 1.297364 1.234178 1.176144	2 2.305582 2.061628 1.848456 1.661486 1.496900	3 3.444164 3.005984 2.628676 2.302914 2.020934	4.160634 3.468222 2.900896 2.433912 2.047860	1 1.085018 .839084 .653672 .513070 .405798	5.881736 4.481538 3.434828 2.648400 2.054428	3 5.849516 4.447676 3.400130 2.613560 2.020014	51.773920 38.876900 29.324400 22.219880 16.913720
.1 .2 .3 .4 .5	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730	2 2 . 305582 2 . 061628 1 . 848456 1 . 661486 1 . 496900 1 . 351534	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270	#4.160634 3.468222 2.900896 2.433912 2.047860 1.727450	1 1.085018 .839084 .653672 .513070 .405798	5.881736 4.481538 3.434828 2.648400 2.054428 1.603388	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620
.1 .2 .3 .4 .5 .6	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472	2 2,305582 2,061628 1,848456 1,661486 1,496900 1,351534 1,222730	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512	mult 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556	1 1.085018 .839084 .653672 .513070 .405798 .323436 .259790	5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674	51.773920 38.876900 29.324400 22.219880 16.913720
.1 .2 .3 .4 .5 .6 .7 .8	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818	2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.216232	4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498	1.085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518	LOL 2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.216232 1.074634	4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064	51.773920 38.876990 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.216232 1.074634 .950562	Mult 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844	1 1.085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700	LOL 2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790	3 5.849516 4.447676 3.400130 2.613550 2.020014 1.569854 1.226674 .963676 .761054 .604148 .481984	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090	2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.216232 1.074634 .950562 .841678 .745978	#u1t 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220	1.085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316	LOLI 2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .994538 .507790 .410446 .333536	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.216232 1.074634 .950562 .841678 .745978 .661748	4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.216232 1.074634 .950562 .841678 .745978 .661748 .587518	#ult 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812	LOLU 2 5.881736 4.481538 3.434828 2.648400 1.05388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .222430	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761054 .604148 .481984 .386378 .311174 .251720 .204490	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.216232 1.074634 .950562 .841678 .745978 .661748 .587518	4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 893390
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350	3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.216232 1.074634 .950562 .841678 .745978 .661748 .587518 .52022 .464168 .413008	#u1t 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 2.298078 .255852	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117988 893390 .716198
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .946736 .946736 .946614 .845090 .815646 .788094 .762278 .738046 .715268 .693826	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.276232 1.074634 .950562 .841678 .745978 .661748 .587518 .522022 .444168 .413008 .367724	#u1t 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .222420 .184418 .152776 .127104 .106178	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575850
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610	2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998 .378906 .321220	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.216232 1.074634 .950562 .841678 .745978 .661748 .587518 .522022 .464168 .413008 .3677724 .327606 .260458	#u1t 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 2.298078 .255852	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117988 893390 .716198
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610 .636484 .603224	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998 .378906 .321220 .273080	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.27632 1.074634 .950562 .841678 .745978 .661748 .587518 522022 .464168 .413008 .367724 .327606 .260458 .207498	4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .089302 .045608	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .036864	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575850 .464304 .304204 .304202
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610 .636484 .603224 .573278	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998 .378906 .321220 .273080 .232736	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.216232 1.074634 .950562 .841678 .745978 .661748 .587518 .522022 .4441608 .367724 .327606 .260458 .207498 .165610	4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796 .077176	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .032810 .028762 .022446 .017860 .014468	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .089042 .063302 .045608 .033258	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .052830 .036864 .025968	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575850 .464304 .304202 .201184 .134164
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.0773472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610 .636484 .603224 .573278 .546188	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998 .378906 .321220 .273080	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.27632 1.074634 .950562 .841678 .745978 .661748 .587518 522022 .464168 .413008 .367724 .327606 .260458 .207498	4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .089302 .045608	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .036864	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575850 .464304 .304204 .304202
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .775268 .693826 .673610 .603224 .573278 .546188 .521574 .468912	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998 .378906 .321220 .273080 .232736 .198804 .116258	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.276332 1.074634 .950562 .841678 .745978 .661748 .587518 .52022 .464168 .413008 .367724 .327606 .260458 .207498 .165610 .132396 .106002 .061148	#u1t 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796 .077176 .057484 .042882 .020728	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860 .014468 .011918 .009968 .009968	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .994538 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .08930 .045608 .033258 .024520 .018264 .009096	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .036864 .025968 .018448 .013206 .005888	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575850 .464304 .304202 .201184 .134164 .090132 .060944
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.5 3.5 3.5 4.6 3.6 3.6 3.6 3.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4	1.441654 1.366296 1.297364 1.297364 1.176144 1.122730 1.0773472 1.027958 .985818 .946736 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610 .636484 .603224 .573278 .546188 .521574 .468912 .426104	2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .441998 .378906 .321220 .273080 .232736 .198804 .170166 .16258 .080184	3 3.444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.565512 1.378112 1.216232 1.074634 .950562 .841678 .745978 .661748 .587518 .522022 .464168 .413008 .367724 .327606 .260458 .207498 .165610 .132396 .106002 .061148	# 4 . 160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796 .077176 .057484 .042882 .020728	1.085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860 .017860 .01918 .009958 .006770 .004944	5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430 .233620 .184418 .152776 .127104 .106178 .089042 .065302 .045608 .033258 .024520 .018264 .009096	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .052830 .036864 .025968 .018448 .013206 .005888 .002714	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575650 .464304 .304202 .201184 .134164 .090132 .060944 .023468 .009288
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .775268 .693826 .673610 .603224 .573278 .546188 .521574 .468912	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998 .378906 .321220 .273080 .232736 .198804 .116258	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.276332 1.074634 .950562 .841678 .745978 .661748 .587518 .52022 .464168 .413008 .367724 .327606 .260458 .207498 .165610 .132396 .106002 .061148	#u1t 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796 .077176 .057484 .042882 .020728	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860 .014468 .011918 .009968 .009968	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .994538 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .08930 .045608 .033258 .024520 .018264 .009096	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .036864 .025968 .018448 .013206 .005888	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575850 .464304 .304202 .201184 .134164 .090132 .060944
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 3.5 3.5 6.6 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610 .636484 .603224 .573278 .546108 .521574 .426104 .390616 .360704 .312992	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .48338 .448350 .411998 .378906 .321220 .273080 .232736 .198804 .116258 .080184 .055740 .039002 .019402	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.378112 1.074634 .950562 .841678 .745978 .661748 .587518 .52022 .464168 .413008 .367724 .327606 .260458 .207498 .165610 .132396 .106002 .061148 .035516 .020746	#u1t 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796 .077176 .057484 .04282 .020728 .010086 .004934 .002424 .000590	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860 .014468 .011918 .009968 .006770 .004944 .003626 .003100 .002246	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .994538 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .089302 .045608 .033258 .024520 .018264 .009096 .004762 .002604 .001480	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .036864 .025968 .018448 .013206 .005888 .002714 .001286 .000622 .000154	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.23533 1.768046 1.403458 1.117908 .893390 .716198 .575850 .464304 .304202 .201184 .134164 .090132 .060944 .023468 .009288 .003754 .001544 .000272
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.4 2.6 3.5 4.5 5.6 6.7 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.441654 1.366296 1.297364 1.297364 1.176144 1.122730 1.0773472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610 .636484 .603224 .573278 .546188 .521574 .468912 .426104 .390616 .312992 .276530	2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.108262 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .488338 .448350 .411998 .378906 .321220 .273080 .232736 .198804 .170166 .116258 .039002 .019402 .019402	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.216232 1.074634 .950562 .841678 .745978 .661748 .587518 .522022 .464168 .413008 .367724 .327606 .260458 .207498 .165610 .132396 .106002 .061148 .035516 .020746 .012176 .004284 .001498	## 4 .160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796 .077176 .057484 .042882 .020728 .010086 .004934 .002424 .000590 .000146	1.085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860 .014468 .011918 .009958 .001918 .009968 .0019778	5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .790314 .631696 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .089042 .063302 .045608 .033258 .024520 .018264 .009096 .004762 .002604 .001480 .000530 .000212	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .052830 .036864 .025968 .018448 .013206 .005888 .002714 .001286	51.773920 38.876900 29.324400 22.219880 16.913720 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.235432 1.768046 1.403458 1.117908 .893390 .716198 .575650 .464304 .304202 .201184 .134164 .090132 .060944 .023468 .009288 .003754 .001544 .000272 .000050
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 3.5 3.5 6.6 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7	1.441654 1.366296 1.297364 1.234178 1.176144 1.122730 1.073472 1.027958 .985818 .946736 .910420 .876614 .845090 .815646 .788094 .762278 .738046 .715268 .693826 .673610 .636484 .603224 .573278 .546108 .521574 .426104 .390616 .360704 .312992	2 2.305582 2.061628 1.848456 1.661486 1.496900 1.351534 1.222730 1.006248 .915096 .833442 .760136 .694176 .634708 .580994 .532390 .48338 .448350 .411998 .378906 .321220 .273080 .232736 .198804 .116258 .080184 .055740 .039002 .019402	3 .444164 3.005984 2.628676 2.302914 2.020934 1.776270 1.563512 1.378112 1.378112 1.074634 .950562 .841678 .745978 .661748 .587518 .52022 .464168 .413008 .367724 .327606 .260458 .207498 .165610 .132396 .106002 .061148 .035516 .020746	#u1t 4 4.160634 3.468222 2.900896 2.433912 2.047860 1.727450 1.460556 1.237498 1.050510 .893318 .760844 .648942 .554220 .473888 .405640 .347566 .298078 .255852 .219776 .188924 .139874 .103796 .077176 .057484 .04282 .020728 .010086 .004934 .002424 .000590	1 .085018 .839084 .653672 .513070 .405798 .323436 .259790 .210284 .171518 .140956 .116700 .097316 .081726 .069100 .058812 .050374 .043412 .037634 .032810 .028762 .022446 .017860 .014468 .011918 .009968 .006770 .004944 .003626 .003100 .002246	2 5.881736 4.481538 3.434828 2.648400 2.054428 1.603388 1.258990 .994538 .994538 .507790 .410446 .333536 .272430 .223620 .184418 .152776 .127104 .106178 .089302 .045608 .033258 .024520 .018264 .009096 .004762 .002604 .001480	3 5.849516 4.447676 3.400130 2.613560 2.020014 1.569854 1.226674 .963676 .761064 .604148 .481984 .386378 .311174 .251720 .204490 .166790 .136558 .112212 .092520 .076530 .036864 .025968 .018448 .013206 .005888 .002714 .001286 .000622 .000154	51.773920 38.876900 29.324400 22.219880 16.913720 12.933620 9.935070 7.666012 5.941346 4.624590 3.614824 2.837072 2.23533 1.768046 1.403458 1.117908 .893390 .716198 .575850 .464304 .304202 .201184 .134164 .090132 .060944 .023468 .009288 .003754 .001544 .000272

TABLE 12 Q. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 80$ degrees

		FLUX OM	NIDIRECTIONA	L GEONETRIC	FACTORS (cm²	MeV)		
	_		T CHANNEL		_		ET CHANNEL	_
K	1	2	3	4	1	2	3	4
.1	.134180	.863922	. 673880	12.096620	2.420576	12.407520	12.091400	206.959000
.2	. 124302	.757752	. 579682	10.003070	1.800412	9.149890	8.899528	151.405100
.3	.115406	. 666822	.499904	8.302440	1.347196	6.780220	6.579496	111.174100
.4 .5	. 107380 . 100122	. 588620 . 521094	.432118 .374344	6.914250 5.775920	1.014548 .769262	5.049896 3.781340	4.887016 3.647632	81.947960 60.646280
.6	.093548	.462566	. 324962	4.838556	.587500	2.847330	2.736364	45.066560
.7	.087580	.411648	. 282634	4.063654	.452098	2.156540	2.063510	33.630820
.8	.082154	. 367200 . 328274	.246258 .214924	3.420774 2.885668	. 350672 . 274248	1.643200	1.564478	25.205480
.9 1.0	.077210 .072696	.294080	.187868	2.438926	.216308	1.259826 .972024	1.192654 .914278	18.973910 14.346520
ī.i	.068570	.263952	.164454	2.064942	.172096	.754798	.704826	10.896270
1.2	.064790	.237338	. 144156	1.751074	.138132	. 589922	. 546428	8.312946
1.3	.061320 .058132	.213766 .192838	.126520 .111174	1.487062 1.264518	.111862	.464064	.426016	6.370446 4.903512
1.4 1.5	.055196	.174216	.097796	1.076578	.091394 .075334	.367424 .292772	. 333992 . 263286	3.790896
1.6	.052488	.157610	.086118	.917584	.062640	.234762	.208666	2.943322
1.7	.049986	.142774	.075908	. 782864	.052530	. 189406	. 166244	2.294850
1.8 1.9	.047672	.129494 .117584	.066968 .059130	. 668548 . 571416	.044418	. 153730	. 133120	1.796560 1.412026
2.0	.045528 .043538	. 106886	.052254	.488784	.037862 .032524	. 125498 . 103026	.107118 .086600	1.114038
2.2	.039964	.088594	.040894	.358412	.024532	.070542	.057358	.701006
2.4	.036862	.073706	. 032092	.263484	.019012	. 049258	.038612	.447066
2.6	.034150	.061530	.025244	.194128	.015100	.035014	.026374	.288602
2. 8 3.0	.031770 .029668	.051522 .043264	.019900 .015718	.143308 .105974	.012256 .010146	.025292 .018538	.018252 .01277 6	. 188352 . 124132
3.5	.025386	.028266	.008780	.050154	.006800	.009006	.005466	.045372
4.0	.022130	.018718	.004950	.023916	.004950	.004670	.002454	.017274
4.5	.019596	.012538	.002812 .001606	.011472	.003834	.002554	.001144	.006784
5.0 6.0	.017580 .014604	. 008482 . 003978	.000534	.005532 .001302	.003110 .002258	.001460 .000532	.000550 .000136	.002728 .000466
7.0	.012528	.001916	.000180	.000310	.001788	.000216	.000036	. 000084
8.0	.011008	.000942	.000062	.000074	.001496	.000094	.000010	.000016
9.0	.009848	.000472	.000022	.000018	.001298	.000044	.000004	. 000004
10.0	.008938	. 000240	.000008	.000004	.001158	.000020	.000000	. 000000
		DOCE ON	MINIDECTIONA	COMETRIC	EACTORS (1	Matth		
			NIDIRECTIONA ET CHANNEL		FACTORS (cm ² ply by 10 ⁻³		T CHANNEL	
					FACTORS (cm ² ply by 10 ⁻³		T CHANNEL	
N	1						T CHANNEL	4
		2 NILI	ET CHANNEL 3	multi 4	ply by 10 ⁻³	LOLE 2	3	•
.1	1.432636	NILI 2 2.282016	3 3.407994	multi 4 4.108566	ply by 10 ⁻³ 1 1.086308	LOLE 2 5.912174	3 5.880136	52.153440
		2 NILI	ET CHANNEL 3	#ulti 4 4.108566 3.425366 2.865560	ply by 10 ⁻³	LOLE 2	3	•
.1 .2 .3 .4	1.432636 1.358328 1.290326 1.227962	2 2.282016 2.041498 1.831246 1.646760	3 3.407994 2.975406 2.602794 2.280976	multi 4 4.108566 3.425366 2.865560 2.404700	1 1.086308 .840324 .654836 .514138	5.912174 4.507594 3.457162 2.667552	3 5.880136 4.473366 3.421732 2.631770	52.153440 39.182980 29.572080 22.421020
.1 .2 .3 .4	1.432636 1.358328 1.290326 1.227962 1.170656	2.282016 2.041498 1.831246 1.646760 1.484292	3.407994 2.975406 2.602794 2.280976 2.002320	multi 4 4.108566 3.425366 2.865560 2.404700 2.023672	1 1.086308 .840324 .654836 .514138 .406762	5.912174 4.507594 3.457162 2.667552 2.070868	3 5.880136 4.473366 3.421732 2.631770 2.035398	52.153440 39.182980 29.572080 22.421020 17.077590
.1 .2 .3 .4 .5	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734	3.407994 2.975406 2.602794 2.280976 2.002320 1.760460	multi 4 4.108566 3.425366 2.865560 2.404700 2.023672 1.707390	ply by 10 ⁻³ 1 1.086308 .840324 .654836 .514138 .406762 .324296	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540
.1 .2 .3 .4	1.432636 1.358328 1.290326 1.227962 1.170656	2.282016 2.041498 1.831246 1.646760 1.484292	3.407994 2.975406 2.602794 2.280976 2.002320	multi 4 4.108566 3.425366 2.865560 2.404700 2.023672	1 1.086308 .840324 .654836 .514138 .406762	5.912174 4.507594 3.457162 2.667552 2.070868	3 5.880136 4.473366 3.421732 2.631770 2.035398	52.153440 39.182980 29.572080 22.421020 17.077590
.1 .2 .3 .4 .5 .6 .7	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494	#ulti 4 4.108566 3.425366 2.65560 2.404700 2.023672 1.707390 1.423834 1.038956	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270	3.407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.36672 1.206494 1.066334	#ulti 4 4.108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.443890 1.23634 1.038956 .883680	ply by 10 ⁻³ 1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456	5.912174 4.507594 3.457162 2.667552 2.0670868 1.617514 1.271136 1.004990 .799318 .639456	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 769032 .610934	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454	3 .407994 2.975406 2.602794 2.80976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486	#ulti 4 4.108566 3.425366 2.865560 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798	ply by 10 ⁻³ 1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126	\$.912174 4.507594 3.457162 2.667552 1.617514 1.271136 1.004990 .799318 .639456 .514482	3 5.880136 4.473366 3.421732 2.631770 2.033598 1.582872 1.237708 .973046 .769032 .610934 .487770	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824	#ulti 4 4.108566 3.425366 2.65560 2.404700 2.023672 1.707390 1.423634 1.038956 .883680 .752798 .642216 .548592	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.771136 1.004990 .799318 .639456 .514482 416222 .338524	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.36672 1.206494 1.066334 .943486 .835640 .740824 .657350	#ulti 4 4.108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.423634 1.038956 .883680 .752798 .642216 .548592 .469174	ply by 10 ⁻³ 1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .172098 .141456 .117126 .097678 .082028	2 5.912174 4.507594 3.457162 2.667552 2.0670868 1.617514 1.271136 1.004990 .799318 .639456 .514482 416222 .338524 .276740	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .94324 .907866 .874376 .843136 .813944 .786622	2 2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326	3 .407994 2.975406 2.602794 2.80976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762	#ulti 4 4.108566 3.425366 2.865560 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688	ply by 10 ⁻³ 1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018	\$.912174 4.507594 3.457162 2.6673688 1.617514 1.271136 1.004990 7.99318 639456 .514482 416222 .3365740 .227344	3 5.880136 4.473366 3.421732 2.631770 2.033598 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.6655736 2.879330 2.270576 1.797334 1.427900
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326	3 .407994 2.975406 2.502794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762	#ulti 4 4.108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 4016688 .344252	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059352	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318 .639456 .514482 .416222 .338524 .276740 .227344	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .590116 .486402 .446706	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.36672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .461428 .410668	#ulti 4 4.108566 3.425366 2.665560 2.404700 2.023672 1.707390 1.423634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514	1 .086308 .840324 .654836 .514138 .406762 .324296 .260552 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732	2 5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799918 .639456 .514482 .416222 .338524 .276740 .227344 .187640 .155562 .129516	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 910500 .730542
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .9432°4 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .999270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .410668 .365726	## 4 .108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.443890 1.238956 6.883680 .752798 6.642216 5.46592 4.401688 3.44252 2.95296 2.53514 2.217812	ply by 10 ⁻³ 1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882	\$.912174 4.507594 3.457162 2.667594 1.617514 1.271136 1.004990 .799318 .639456 .514482 .416222 .338524 .227344 .187640 .155562 .129516 .108266	3 5.880136 4.473366 3.421732 2.631770 2.033598 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.6655736 2.879330 2.270576 1.797334 1.427900 1.138342 910500 730542 587892
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732	3 .407994 2.975406 2.502794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .583762 .518814 .461428 .410668 .365726 .325898	## 4 . 108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.2438364 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318 .639456 .514482 .416222 .338524 .276740 .227344 .187640 .155562 .12616 .108266 .090850	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .094198	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 .910500 .730542 .587892 .474424
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .9432°4 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .999270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .410668 .365726	## 4 .108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.443890 1.238956 6.883680 .752798 6.642216 5.46592 4.401688 3.44252 2.95296 2.53514 2.217812	ply by 10 ⁻³ 1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882	\$.912174 4.507594 3.457162 2.667594 1.617514 1.271136 1.004990 .799318 .639456 .514482 .416222 .338524 .227344 .187640 .155562 .129516 .108266	3 5.880136 4.473366 3.421732 2.631770 2.033598 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.6655736 2.879330 2.270576 1.797334 1.427900 1.138342 910500 730542 587892
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .9432°4 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .602966 .573162	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .999270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .440606 .377732 .320392 .272508 .232354	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .461428 .410668	#ulti 4 4.108566 3.425366 2.665560 2.404700 2.023672 1.707390 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272 .138704 .102966 .076586	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .03732 .022842 .022844 .017840 .014428	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318 .639456 .514482 416222 .338524 .276740 .227344 .187640 .155562 .129516 .108266 .090850 .0646528 .046624	3 5.880136 4.473366 3.421732 2.631770 2.033538 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .094198 .077972 .053898	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.6655736 2.879330 2.270576 1.797334 1.427900 1.138342 910500 730542 .587892 .474424 .311372 2.06284 .137802
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .602966 .573162 .546188	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560	3 .407994 2.975406 2.502794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .461428 .410668 .365726 .325898 .259214 .206592 .131918	##114 4 4.108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272 .138704 .102966 .076586 .057064	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .022454 .017840 .014428 .01860	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318 .639456 .514482 416222 .338524 .276740 .227344 .187640 .155562 .129516 .108266 .090850 .064658 .046624 .034020	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .0947972 .053898 .037654 .026556	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 .910500 .730542 .587892 .474424 .311372 .206284 .137802 .092732
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .602966 .573162 .546188 .521670	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560 .170024	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .461428 .410668 .365726 .325898 .259214 .206592 .164952 .131918 .105658	#ulti 4 4.108566 3.425366 2.65560 2.404700 2.023672 1.707390 1.423634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272 .138704 .102966 .076586	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .022454 .017840 .014428 .011860 .009900	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.771136 1.004990 .799318 .639456 .514482 41.6222 .338524 .276740 .227344 1187640 .1255562 .129516 .108266 .090850 .064658 .046624 .034020 .025092 .018690	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .094198 .077972 .053898 .037654 .026556 .018886 .013530	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 .910500 .730542 .587892 .474424 .311372 .206284 .137802 .092732 .062810
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .602966 .573162 .546188	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560	3 .407994 2.975406 2.502794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .461428 .410668 .365726 .325898 .259214 .206592 .131918	##114 4 4.108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272 .138704 .102966 .076586 .057064	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .022454 .017840 .014428 .01860	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318 .639456 .514482 416222 .338524 .276740 .227344 .187640 .155562 .129516 .108266 .090850 .064658 .046624 .034020	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .0947972 .053898 .037654 .026556	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 .910500 .730542 .587892 .474424 .311372 .206284 .137802 .092732
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.6 3.0 3.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.432636 1.358328 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .573162 .546188 .521670 .469176 .426470 .391046	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560 .170024 .116260 .080244 .055814	3 .407994 2.975406 2.502794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .581762 .518814 .461428 .410668 .365726 .325898 .259214 .206592 .131918 .105658 .060998 .035456 .020724	## 4 4.108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272 .138704 .102966 .076586 .057064 .042584 .020600 .010032 .004910	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .022454 .017840 .014428 .011860 .009900 .004864 .003750	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318 .639456 .514482 416222 .338524 .276740 .227344 .187640 .155562 .129516 .108266 .090850 .064658 .046624 .034020 .025092 .018690 .009300 .004858	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .0977972 .053898 .037654 .0256556 .018886 .013530 .006044 .002788	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 .910500 .730542 .587892 .474424 .311372 .206281 .137802 .092732 .062810 .024286 .009650 .003916
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.8 3.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .602966 .573162 .546188 .521670 .469176 .426470 .391046 .361172	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560 .170024 .116260 .080244 .055814	3 . 407994 2. 975406 2. 602794 2. 280976 2. 002320 1. 760460 1. 550068 1. 366672 1. 206494 1. 066334 . 943486 . 835640 . 740824 . 657350 . 583762 . 518814 . 461428 . 410668 . 365726 . 325898 . 259214 . 206592 . 164952 . 164952 . 131918 . 105658 . 060998 . 035456 . 020724 . 012170	## 4 4.108566 3.425366 2.65560 2.404700 2.023672 1.707390 1.423634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272 .138704 .102966 .076586 .057064 .042584 .020600 .010032 .004910 .002414	1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .022454 .017840 .014428 .011860 .009900 .006690 .003750 .003028	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.771136 1.004990 .799318 .639456 .514482 41.6222 .338524 .276740 .227344 1187640 .1255562 .129516 .108266 .090850 .064658 .046624 .034020 .025092 .018690 .009300 .004858 .002666 .001498	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .094198 .077972 .053898 .037654 .026556 .013530 .006044	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 .910500 .730542 .587892 .474424 .311372 .206284 .137802 .092732 .062810 .024286 .009650 .003916
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .98.508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .602966 .573162 .546188 .521670 .469176 .426470 .391046 .361172 .313500	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560 .170024 .116260 .080244 .055814 .039074	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .461428 .410668 .365726 .325898 .259214 .206592 .164952 .131918 .105658 .060998 .035456	### 4 4.108566 3.425366 2.665560 2.404700 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .217812 .187272 .138704 .102966 .076586 .057064 .042584 .042584 .020600 .010032 .004910 .002414 .000590	1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .028808 .022454 .017840 .014428 .011860 .009900 .0046690 .004864 .003750 .003028 .003028	2 5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .094918 .639456 .514482 .416222 .338524 .276740 .227344 .187640 .155562 .129516 .108266 .090850 .064658 .046624 .034020 .025092 .018690 .009300 .004858 .002646 .001498	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .094198 .077972 .053898 .037654 .026556 .018886 .013530 .006044 .002788 .001322	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 910500 .730542 .587892 .474424 .311372 .206284 .137802 .092732 .062810 .024286 .009650 .003916 .001616 .000286
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 5.0 6.0 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .982508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .521670 .49176 .573162 .546188 .521670 .49176 .49176 .391046 .361172 .313500 .277050	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560 .170024 .116260 .080244 .055814	3 . 407994 2. 975406 2. 602794 2. 280976 2. 002320 1. 760460 1. 550068 1. 366672 1. 206494 1. 066334 . 943486 . 835640 . 740824 . 657350 . 583762 . 518814 . 461428 . 410668 . 365726 . 325898 . 259214 . 206592 . 164952 . 164952 . 131918 . 105658 . 060998 . 035456 . 020724 . 012170	## 4 .108566 3.425366 2.865560 2.404700 2.023672 1.707390 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .295296 .253514 .217812 .187272 .138704 .102966 .076586 .057064 .042584 .020600 .010032 .004910 .002414 .000590 .000146	1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .022454 .017840 .014428 .011860 .009900 .006990 .004864 .003750 .003028 .003750	5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .799318 .639456 514482 416222 .338524 .276740 227344 .187640 .155562 .129516 .108266 .090850 .064658 .046624 .034020 .025092 .018690 .009300 .004858 .006666 .001498 .000530 .0004530	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .094198 .077972 .053898 .037654 .026556 .018886 .013530 .006044 .002788 .001322 .000640 .000158 .000042	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.665736 2.879330 2.270576 1.797334 1.427900 1.138342 .910500 .730542 .587892 .474424 .311372 .206284 .137802 .092732 .062810 .024286 .009650 .003916
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.432636 1.358328 1.290326 1.227962 1.170656 1.117888 1.069200 1.024192 .98.508 .943824 .907866 .874376 .843136 .813944 .786622 .761004 .736954 .714338 .693038 .672954 .636048 .602966 .573162 .546188 .521670 .469176 .426470 .391046 .361172 .313500	2.282016 2.041498 1.831246 1.646760 1.484292 1.340734 1.213476 1.100332 .999452 .909270 .828454 .755862 .690520 .631584 .578326 .530116 .486402 .446706 .410606 .377732 .320392 .272508 .232354 .198560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560 .170024 .186560	3 .407994 2.975406 2.602794 2.280976 2.002320 1.760460 1.550068 1.366672 1.206494 1.066334 .943486 .835640 .740824 .657350 .583762 .518814 .461428 .410668 .41068 .41	### 4 4.108566 3.425366 2.665560 2.404700 2.023672 1.707390 1.443890 1.223634 1.038956 .883680 .752798 .642216 .548592 .469174 .401688 .344252 .217812 .187272 .138704 .102966 .076586 .057064 .042584 .042584 .020600 .010032 .004910 .002414 .000590	1 1.086308 .840324 .654836 .514138 .406762 .324296 .260552 .210952 .172098 .141456 .117126 .097678 .082028 .069352 .059018 .050540 .043542 .037732 .032882 .028808 .022454 .017840 .014428 .011860 .009900 .0046690 .004864 .003750 .003028 .003028	2 5.912174 4.507594 3.457162 2.667552 2.070868 1.617514 1.271136 1.004990 .094918 .639456 .514482 .416222 .338524 .276740 .227344 .187640 .155562 .129516 .108266 .090850 .064658 .046624 .034020 .025092 .018690 .009300 .004858 .002646 .001498	3 5.880136 4.473366 3.421732 2.631770 2.035398 1.582872 1.237708 .973046 .769032 .610934 .487770 .391318 .315396 .255334 .207582 .169440 .138834 .114164 .094198 .077972 .053898 .037654 .026556 .018886 .013530 .006044 .002788 .001322	52.153440 39.182980 29.572080 22.421020 17.077590 13.067540 10.044850 7.756270 6.015726 4.686060 3.6655736 2.879330 2.270576 1.797334 1.427900 1.138342 910500 .730542 .587892 .474424 .311372 .206284 .137802 .092732 .062810 .024286 .009650 .003916 .001616 .000286

TABLE 12 R. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 85$ degrees

				L GEOMETRIC	FACTORS (cm²			
×	1	MILI 2	ET CHANNEL 3	4	1	5 FOI	ET CHANNEL 3	4
.1	. 134152	. 860330	. 669428	12.028690	2.429638	12.501690	12.186860	209.298600
.2	.124324	.754954	.576076	9.948170	1.806782	9.219414	8.969842	153.130400
.3 .4	.115468 .107476	.664668 .586982	.496986 .429760	8.257966 6.878154	1.351660 1.017658	6.831810 5.088408	6.631546 4.925772	112.452600 82.899980
.5	.100246	.519874	.372442	5.746588	.771408	3.810252	3.676648	61.358720
. 6 .7	.093692 .087742	.4616 8 0 .411032	.323430 .281404	4.814684 4.044218	. 588958 . 453070	2.869180 2.173150	2.758224 2.080076	45.602600 34.036320
.8	.082330	.366800	.245276	3.404942	.351294	1.655910	1.577118	25.513860
.9	.077396	.328046	.214140	2.872762	.274620	1.269614	1.202360	19.209720
1.0 1.1	.072892 .068770	.293986 .263966	.187246 .163964	2.428416 2.056376	.216500 .1721 6 2	.979608 .760710	.921776 .710658	14.527870 11.036510
1.2	.064994	.237436	.143772	1.744098	.138108	. 594562	.550994	8.421950
1.3 1.4	.061528 .058340	.213928 .193048	. 126224 . 110948	1.481386 1.259906	.111772 .091262	.467724 .370326	.429612 .336842	6.455656 4.970450
1.5	.055404	.174462	.097626	1.072832	.075170	.295086	.265556	3.843738
1.6 1.7	.052694 .050190	. 157882 . 143062	.085992 .075818	.914548 .780408	.062454 .052330	. 236614 . 190894	.210486 .167710	2.985248 2.328262
1.8	.047872	.129792	.066908	.666564	.044210	. 154930	.134306	1.823306
1.9	.045724	.117888	.059094	.569816	.037650	.126470	.108082	1.433526
2.0 2.2	.043730 .040150	. 107190 . 088890	.052234 .040 9 00	. 487500 . 357592	.032310 .024322	. 103812 . 071062	.087388 .057 88 8	1.131386 .712426
2.4	.037038	.073988	.032110	.262970	.018808	.049602	.038974	.454680
2.6 2.8	.034316 .031926	.061790 .051760	.025270 .019928	. 193816 . 143124	.014904 .012072	.035240 .025440	.026624 .018426	. 293734 . 191846
3.0	.029816	.043480	.015746	.105874	.009970	.018630	.012898	.126528
3.5	.025512	.028428	.008804	.050146	.006650	.009028	.005516	.046332
4.0 4.5	.022238 .019688	.018836 .012624	.004966 .002822	.023930 .011488	.004820 .003722	.004668 .002544	.002476 .001154	.017672 .00 69 50
5.0	.017660	.008542	.001614	.005542	.003014	.001450	.000554	.002800
6.0 7.0	.014662 .012574	.004008 .001932	.000536 .000182	,001306 ,000312	.002184 .001730	.000524 .000212	.000136	. 000480 . 000086
8.0	.011044	.000950	.000062	.000076	.001448	.000092	.000010	.000016
9.0	.009878 .008962	.000476 .000242	.000022	.000018	.001258 .001124	.000042 .000020	.000004	.000004
10.0	.000302	.000242	. 000000	.000004	.001124	.000020	.000000	. 000000
		DOSE OM	NIBIRECTIONA	I GEOMETRIC	FACTORS (cm²	HeV)		
			NIDIRECTIONA ET CHANNEL		FACTORS (cm ² ply by 10 ⁻³		ET CHANNEL	
N	1						ET CHANNEL	4
		HIL 2	ET CHANNEL	multi	ply by 10 ⁻³	LOLI 2	3	
.1 .2	1.430980 1.357106	HIL 2 2.270130 2.031508	3 3.382556 2.953948	#ult 4 4.083250 3.404574	1 1.089120 .842582	LOLI 2 5.932332 4.524400	3 5.896338 4.487106	52.376100 39.361360
.1 .2 .3	1.430980 1.357106 1.289484	HIL 2 2.270130 2.031508 1.822850	3 3.382556 2.953948 2.584668	#ult(4 4,083250 3,404574 2,848424	1 1.089120 .842582 .656654	5.932332 4.524400 3.471222	3 5.896338 4.487106 3.433400	52.376100 39.361360 29.715640
.1 .2	1.430980 1.357106	HIL 2 2.270130 2.031508	3 3.382556 2.953948	#ult 4 4.083250 3.404574	1 1.089120 .842582	LOLI 2 5.932332 4.524400	3 5.896338 4.487106	52.376100 39.361360
.1 .2 .3 .4 .5	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458	4.083250 3.404574 2.848424 2.390538 2.011938 1.697642	1 1.089120 .842582 .656654 .515608 .407950 .325258	5.932332 4.524400 3.471222 2.679362 2.080816 1.625912	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290
.1 .2 .3 .4 .5 .6	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434	2 2,270130 2,031508 1,822850 1,639690 1,478344 1,335730 1,209268	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734	### 4 4.083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778	1 1.089120 .842582 .656654 .515608 .407950 .325258 .261328	5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610
.1 .2 .3 .4 .5 .6 .7 .8	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796	3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754	## 4 .083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778 1.216866 1.033306	1.089120 .842582 .656654 .5115608 .407950 .325258 .261328 .211576 .172598	2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 .978234 .773454	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486	3 3.382556 2.953948 2.584668 2.256648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854	2 5.932332 4.524400 3.471222 2.690816 1.625912 1.278250 1.01108454 .643830	3 5.896338 4.487106 3.433400 2.641674 1.590030 1.243800 .978234 .773454 .614708	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064
.1 .2 .3 .4 .5 .6 .7 .8	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796	3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754	## 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638896	1.089120 .842582 .656654 .5115608 .407950 .325258 .261328 .211576 .172598	2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 .978234 .773454	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .737280	## 4 .083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778 1.216866 1.033306 .878956 .748838 .638896 .545804	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920	LOLI 2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454 .643830 .518216 .419412 .341254	3 5.896338 4.487106 3.433400 2.641674 1.590030 1.243800 .978234 .773454 .614708 .490990 .394068 .317748	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .815032	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209258 1.096796 .996486 .906784 .826376 .754130 .689082 .630394	3 3.382556 2.953948 2.584668 2.256548 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .737280 .654326	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .63896 .545804 .466832	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210	LOLI 2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .643830 .518216 .419412 .341254 .279080	3 5.896338 4.487106 3.433400 2.641674 1.590030 1.243800 .978234 .614708 .490990 .394068 .317748 .257344	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006
.1 .2 .3 .4 .5 .6 .7 .8 9 1.0 1.1 1.2 1.3 1.4	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .787768 .762204	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 936606 631484 .737280 654326 .581182 .516612	### 4 .083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778 1.216866 1.033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108	LOLI 2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454 .643830 .518216 .419412 .341254 .279080 .229350 .189360	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 .978234 .773454 614708 49090 .394068 .317748 .257344 209304 .170916	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .815032 .787768 .762204 .738194	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .737280 .654326 .581182 .516612 .459548	## 4 .083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778 1.216866 1.033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .050594	LOLI 2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.011028 .804454 .643830 .518216 .419412 .341254 .279080 .229350 .189360 .157040	3 5.896338 4.487106 3.433400 2.641674 1.590030 1.243800 978234 .773454 .614708 .490990 .394068 .317748 .257344 .209304 170916 .140098	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.14994 .920260
.1 .2 .3 .4 .5 .6 .7 .8 9 1.0 1.1 1.2 1.3 1.4	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .787768 .762204	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 936606 631484 .737280 654326 .581182 .516612	### 4 .083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778 1.216866 1.033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108	LOLI 2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454 .643830 .518216 .419412 .341254 .279080 .229350 .189360	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 .978234 .773454 614708 49090 .394068 .317748 .257344 209304 .170916	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .787768 .762204 .738194 .715612 .694342 .674278	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .936606 .831484 .737280 .654326 .581182 .516612 .459548 .409062 .364354 .324726	### 4 .083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778 1.216866 1.033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .050594 .043568 .037732 .032860 .028770	5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454 .643830 .518216 .419412 .341254 .279080 .229350 .189360 .157040 .130786 .091786	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 978234 .773454 614708 49090 .394068 .317748 .257344 170916 .140098 .115248 .095128	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.14994 .920260 .738732 .594774
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.430980 1.357106 1.289484 1.227452 1.170430 1.17906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .815032 .787768 .762204 .738194 .715612 .694342	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196	3 3.382556 2.953948 2.584668 2.265648 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .73280 .654326 .581182 .516612 .459062 .364354	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638896 .54864 .466832 .399718 .342594 .293900 .252340 .216822	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .069484 .059108 .050594 .0307732	2 5.932332 4.524400 3.471222 2.690816 1.625912 1.278250 1.011028 .804454 .643830 .518216 .419412 .341250 1.89360 .157040 .130786 .109356	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 978234 .773454 .614708 .490990 .394068 .317748 .257344 .257344 .257344 .209304 .170916 .115248 .095128	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.594720 2.90538 2.290584 1.814006 1.441828 1.149994 .920260 7.38732 .594774
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.430980 1.357106 1.289484 1.227452 1.170430 1.17906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .815032 .787768 .762204 .738194 .715612 .694342 .674278 .637402 .664334 .574534	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348	3 3.382556 2.953948 2.584668 2.265648 1.540734 1.199754 1.060600 9.936606 .831484 .737280 .654326 .581182 .516612 .459962 .364354 .324726 .258358 .205968 .164496	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638396 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .050594 .030594 .030768 .032860 .028770 .022390 .017758 .014332	LOLI 2 5.932332 4.524400 3.471222 2.690816 1.625912 1.278250 1.01128 .804454 .643830 .518216 .419412 .34129080 .229350 .189360 .157040 .130786 .091786 .065350 .047134	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 978234 .773454 .614708 .490990 .394068 .317748 .257344 .209304 .170916 .140098 .115248 .095128 .078770 .054486 .038090 .026878	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994 .920260 .738732 .594774 .480212 .315478 .209208 1.39892
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .787768 .762204 .738194 .715612 .694342 .674278 .637402	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348 .198600	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.199754 1.060600 .936606 .831484 .737280 .654326 .581182 .516612 .459548 .409062 .364354 .324726 .258358 .205968 1.64496 1.31588	### 4 .083250 3.404574 2.848424 2.390538 2.011938 1.597642 1.435778 1.216866 1.033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284 .056848	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .050594 .043568 .037732 .032860 .028770 .022390 .017758	5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.011028 .804454 .643830 .518216 .419412 .341254 .279080 .229350 .189360 .157040 .130786 .091786 .091786	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 978234 .773454 614708 49090 .394068 .317748 257344 .209304 .170916 .140098 .115248 .078770 .054486 .038090 .026878 .019124	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994 .920260 .738732 .594774 .480212 .315478 .209208 1.39892 .094228
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .815032 .787768 .762204 .738194 .715612 .694342 .674278 .674278 .674278 .674278 .67434 .574534	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209258 1.096784 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348 .198600 .170096 .116362	3 3.382556 2.953948 2.5846648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .737280 .654326 .581182 .516612 .459548 .409062 .364354 .324726 .258358 .205968 .164496 .131588 .105416 .060892	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284 .056848 .042430 .020534	1.089120 .842582 .656654 .516608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .050594 .043568 .037732 .032860 .028770 .022390 .017758 .014332 .011758 .009796 .009796	LOLI 2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.011028 1.011028 1.011028 1.011028 1.011020 1.011	3 5.896338 4.487106 3.433400 2.641674 1.590030 1.243800 .978234 .614708 .490990 .394068 .317748 .257344 .209304 .170916 .140098 .115248 .095128 .078770 .054486 .038090 .026878 .019124 .013708 .006128	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.90538 2.290584 1.814006 1.441828 1.149994 920260 738732 594774 .480212 315478 2.09208 1.39892 .094228 .63882 .063882
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0	1.430980 1.357106 1.289484 1.227452 1.170430 1.17906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .81532 .787768 .762204 .738194 .715612 .694342 .674278 .637402 .604334 .574534 .547554 .523024 .470482 .427718	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348 .198600 .170096 .116362 .080346	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 936606 6.31484 .737280 6.554326 .581182 .516612 .459548 .409062 .364354 .324726 .258358 .205968 1.31588 .105416 .060892 .035410	### 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284 .056848 .042430 .020534 .010002	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .050594 .043568 .037732 .032860 .028770 .022390 .014332 .011758 .009796 .006584 .004764	5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454 .643830 .518216 .419412 .341254 .279080 .157040 .130786 .065350 .047134 .07436 .05356 .091786 .05356 .091786 .05356 .091786 .05356 .091786	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 978234 .773454 490990 .394068 .317748 .257344 .209304 .170916 .140098 .115248 .095128 .078770 .054486 .038090 .026878 .013708 .013708 .013708	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994 .920260 .738732 .594774 .480212 .315478 .209208 .139892 .094228 .063882 .024758 .009858
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .844152 .815032 .787768 .762204 .738194 .715612 .694342 .674278 .674278 .674278 .674278 .67434 .574534	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209258 1.096784 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348 .198600 .170096 .116362	3 3.382556 2.953948 2.5846648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .737280 .654326 .581182 .516612 .459548 .409062 .364354 .324726 .258358 .205968 .164496 .131588 .105416 .060892	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284 .056848 .042430 .020534	1.089120 .842582 .656654 .516608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .050594 .043568 .037732 .032860 .028770 .022390 .017758 .014332 .011758 .009796 .009796	LOLI 2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.011028 1.011028 1.011028 1.011028 1.011020 1.011	3 5.896338 4.487106 3.433400 2.641674 1.590030 1.243800 .978234 .614708 .490990 .394068 .317748 .257344 .209304 .170916 .140098 .115248 .095128 .078770 .054486 .038090 .026878 .019124 .013708 .006128	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.90538 2.290584 1.814006 1.441828 1.149994 920260 738732 594774 .480212 315478 2.09208 1.39892 .094228 .63882 .063882
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.6 2.8 3.5 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .84152 .815032 .787768 .762204 .738194 .715612 .694342 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .6	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209258 1.096784 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348 .198600 .170096 .116362 .080346 .055904 .039146	3 3.382556 2.953948 2.5846648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .737280 .654326 .581182 .516612 .459548 .409062 .364354 .324726 .258358 .205968 .164496 .131588 .105416 .060892 .035410 .020706 .012164 .004246	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284 .056848 .042430 .020534 .010002 .004898 .002408 .002588	1.089120 .842582 .656654 .516608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .059594 .043568 .037732 .032860 .028770 .022390 .017758 .014332 .011758 .014332 .011758 .009796 .006584 .004764 .003658	2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011020 1	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 .978234 .614708 .490990 .394068 .317748 .257344 .209304 .170916 .140098 .115248 .095128 .078770 .054486 .038090 .026878 .019124 .013708 .006128 .002828 .001340 .000648	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994 .920260 738732 .594774 .480212 .315478 .209208 .139892 .094228 .063882 .024758 .009858 .004008 .001656 .000294
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.430980 1.357106 1.289484 1.227452 1.170430 1.17906 1.069434 1.024610 983082 944538 908694 .875306 .844152 .81532 .787768 .762204 .738194 .715612 .694342 .674278 .637402 .604334 .574534 .547554 .523024 .470482 .42718 .392232 .362300 .314518 .277978	2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209268 1.096796 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348 .198600 .170096 .116362 .0055904 .039146 .019498 .009872	3 3.382556 2.953948 2.584668 2.265648 1.989340 1.749458 1.549734 1.358744 1.199754 1.060600 9.36606 6.31484 .737280 6.554326 .581182 .516612 .459548 .409062 .364354 .324726 .258358 .205968 1.1588 .105416 .060892 .0035410 .020706 .012164 .004246 .001500	### 4 .083250 3.404574 2.848424 2.390538 2.011938 1.697642 1.435778 1.216866 1.033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284 .056848 .042430 .020534 .010002 .004898 .002058 .000588 .000146	1.089120 .842582 .656654 .515608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .050594 .043568 .037732 .032860 .028770 .022390 .017758 .014332 .011758 .009796 .006584 .003658 .002946	5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011028 .804454 .643830 .518216 .419412 .341254 .279080 .229350 .187040 .130786 .091786 .065350 .047134 .034396 .025368 .018892 .009390 .004894 .002660 .000526	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 978234 .773454 .614708 .490990 .394068 .317748 .257344 .209304 .170916 .140098 .115248 .095128 .078770 .054486 .038090 .026878 .013708 .006128 .002828 .001340 .0006428 .000648	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994 .920260 .738732 .594774 .480212 .315478 .209208 .139892 .094228 .063882 .024758 .009858 .004008 .001656 .000294 .000054
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.6 2.8 3.5 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.430980 1.357106 1.289484 1.227452 1.170430 1.117906 1.069434 1.024610 .983082 .944538 .908694 .875306 .84152 .815032 .787768 .762204 .738194 .715612 .694342 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .674278 .63402 .6	2 2.270130 2.031508 1.822850 1.639690 1.478344 1.335730 1.209258 1.096784 .996486 .906784 .826376 .754130 .689082 .630394 .577348 .529316 .485754 .446186 .410196 .377412 .320216 .272432 .232348 .198600 .170096 .116362 .080346 .055904 .039146	3 3.382556 2.953948 2.5846648 1.989340 1.749458 1.540734 1.358744 1.199754 1.060600 .938606 .831484 .737280 .654326 .581182 .516612 .459548 .409062 .364354 .324726 .258358 .205968 .164496 .131588 .105416 .060892 .035410 .020706 .012164 .004246	### 4 4 .083250 3 .404574 2 .848424 2 .390538 2 .011938 1 .697642 1 .435778 1 .216866 1 .033306 .878956 .748838 .638896 .545804 .466832 .399718 .342594 .293900 .252340 .216822 .186436 .138110 .102542 .076284 .056848 .042430 .020534 .010002 .004898 .002408 .002588	1.089120 .842582 .656654 .516608 .407950 .325258 .261328 .211576 .172598 .141854 .117438 .097920 .082210 .069484 .059108 .059594 .043568 .037732 .032860 .028770 .022390 .017758 .014332 .011758 .014332 .011758 .009796 .006584 .004764 .003658	2 5.932332 4.524400 3.471222 2.679362 2.080816 1.625912 1.278250 1.011020 1	3 5.896338 4.487106 3.433400 2.641674 2.043814 1.590030 1.243800 .978234 .614708 .490990 .394068 .317748 .257344 .209304 .170916 .140098 .115248 .095128 .078770 .054486 .038090 .026878 .019124 .013708 .006128 .002828 .001340 .000648	52.376100 39.361360 29.715640 22.537060 17.171770 13.144290 10.107610 7.807764 6.058124 4.721064 3.694720 2.903378 2.290584 1.814006 1.441828 1.149994 .920260 738732 .594774 .480212 .315478 .209208 .139892 .094228 .063882 .024758 .009858 .004008 .001656 .000294

TABLE 12 S. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, $\lambda = 90$ degrees

				L GEOMETRIC	FACTORS (cm²	HeV)		
			ET CHANNEL		_		ET CHANNEL	
N	1	2	3	4	1	2	3	4
.1	. 133930	.861202	.667856	11.966230	2.429370	12.528430	12.217140	210.141000
.2	. 124140	.755716	.574826	9.900980	1.806408	9.238806	8.992114	153.751000
.3	.115318	.665340	.495988	8.222274	1.351236	6.845942	6.648012	112.911600
.4	. 107352	. 587582	.428964	6.851102	1.017218	5.098748	4.938020	83.241300
.5	.100144	.520412	.371806	5.726064	.770974	3.817850	3.685804	61.613600
.6	.093612	.462166	.322922	4.799102	. 588542	2.874780	2.765110	45.793840
.7	.087678	.411474	.281000	4.032380	.452674	2.177302	2.085288	34.180480
.8 .9	.082280	.367204	.244952	3.395942	.350924	1.658996	1.581086	25.623100
1.0	.077358 .072864	.328416 .294330	.213884 .187042	2.865930 2.423230	.274276 .216180	1.271922	1.205398	19.292960
1.1	.068752	.264284	.163806	2.052444	.171864	.981340 .762016	.924120 .712476	14.591600 11.085530
1.2	.064982	.237730	. 143646	1.741132	. 137832	. 595548	.552412	8.459862
1.3	.061522	.214200	.126126	1.479152	.111516	.468470	.430724	6.485124
1.4	.058338	. 193302	.110872	1.258234	.091024	. 370890	.337720	4.993470
1.5	.055406	. 174698	.097570	1.071588	.074948	.295514	.266254	3.861800
1.6	.052700	. 158104	. 085950	.913630	.062246	.236938	.211042	2.999488
1.7	.050200	. 143268	.075788	.779738	.052134	. 191138	. 168156	2.339538
1.8 1.9	.047884	.129984	.066886	.666084	.044026	. 155114	. 134666	1.832270
2.0	.045738 .043744	.118068 .107360	.059080 .052224	.569478 .487270	.037476 .032146	. 126606 . 103912	. 108374	1.440688
2.2	.040166	.089038	.040900	.357502	.024174	.071112	.087624 .058046	1,137126 .716152
2.4	.037054	.074116	.032114	.262956	.018676	.049622	.039080	.457130
2.6	.034334	.061902	.025276	.193840	.014782	.035242	.026696	.295366
2.8	.331342	.051858	.019936	.143166	.011960	.025430	.018474	.192942
3.0	. 029832	.043566	.015756	. 105920	.009870	.018616	.012932	. 127272
3.5	. 025524	.028488	.008812	.050184	.006566	.009010	.005530	.046622
4.0	.022246	.018878	.004972	.023954	.004750	.004652	.002480	.017788
4.5	.019694	.012652	.002826	.011502	.003662	.002532	.001156	.007000
5.0	.017664	.008562	.001616	.005550	.002962	.001440	.000554	.002820
6.0 7.0	.014662 .012572	.004018	.000538	.001308 .000312	.002146	.000518	.000136	.000482
8.0	.012572	.001936 .000952	.000182 .000062	.000076	.001698 .001422	.000208 .000090	.000036	.000088
9.0	.009874	.000476	.000022	.000078	.001422	.000042	.000010	.000016
10.0	.008958	.000242	.000008	.000004	.001106	.000020	.000000	.000000
							.00000	.00000
			NIDIRECTIONA ET CHANNEL	L GEOMETRIC multi	FACTORS (cm² ply by 10 ⁻³		ET CHANNEL	
_		HIL	ET CHANNEL	multi	ply by 10 ⁻³	FOFI		
N	1			L GEOMETRIC multi	FACTORS (cm ² ply by 10 ⁻³		ET CHANNEL	4
		HIL 2	ET CHANNEL	multi 4	ply by 10 ⁻³	LOLI 2	3	
N .1 .2	1 1.428002 1.354446	HIL	ET CHANNEL	multi	ply by 10 ⁻³	FOFI	3 5.901310	52.476660
.1 .2 .3	1.428002 1.354446 1.287104	2.272150 2.033286 1.824416	3.373224 2.946188 2.578208	multi 4 4.055680	1.088608	LOLI 2 5.941750	3	
.1 .2 .3 .4	1.428002 1.354446 1.287104 1.225318	2 2.272150 2.033286 1.824416 1.641086	3 3.373224 2.946188 2.578208 2.260244	4.055680 3.383122 2.831660 2.377392	1.088608 .842212 .656384 .515406	5.941750 4.531728 3.476960 2.683888	3 5.901310 4.491340	52.476660 39.441240
.1 .2 .3 .4 .5	1.428002 1.354446 1.287104 1.225318 1.168516	2 2.272150 2.033286 1.824416 1.641086 1.479590	3.373224 2.946188 2.578208 2.260244 1.984810	4.055680 3.383122 2.831660 2.377392 2.001592	1 1.088608 .842212 .656384 .515406	5.941750 4.531728 3.476960 2.683888 2.084412	3 5.901310 4.491340 3.437006 2.644750 2.046438	52.476660 39.441240 29.779300 22.588000 17.212660
.1 .2 .3 .4 .5	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852	3.373224 2.946188 2.578208 2.260244 1.984810 1.745654	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474	1 1.088608 .842212 .656384 .515406 .407794	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170
.1 .2 .3 .4 .5 .6	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282	3 .373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304	1.088608 .842212 .656384 .515406 .407794 .325134 .261226	2 5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190
.1 .2 .3 .4 .5 .6	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214	2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716	3 .373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 f.211720	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272
.1 .2 .3 .4 .5 .6 .7 .8	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822	2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322	3 .373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396	2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552	3.373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294
.1 .2 .3 .4 .5 .6 .7 .8	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822	2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322	3 3.373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 f.211720 1.029202 .875674 .746210	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 .519258	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680	3 .373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 5.19258	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .61502 492014 .394946	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300	2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 636782 544104	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 .519258	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .814256 .787062	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864	3 .373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 .398608	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034	2 5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 .519258 .420274 341970 .279676 .229848	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558	2.272150 2.033286 1.82416 1.84416 1.479590 1.336852 1.210282 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .530950 .577864	3 3.373224 2.946188 2.578208 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 746210 .636782 .544104 .465460 3.98608 3.341694	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 519258 420274 .341970 .279676 2.29948 .189778	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .61592 .492014 .394946 .318500 .257990 .299858 .771392	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200	3 3.373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .536782 .544104 .465460 .398608 .341694 .293170	1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .059034	5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.012916 .805992 .645094 .519258 420274 .341970 .279676 229848 .189778 .157388	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .787062 .761558 .737664 .715070	2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 .398608 341694 .293170 .251746	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658	2 5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 .519258 420274 341970 .279676 .229848 .189778 1.57388 .131076	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .115600	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 -923880 .741734
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .530950 .577864 .529796 .486200 .446602 .4410582	3 3.373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 .398608 .341694 .293170 .251746 .216340	1 .088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786	\$.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 .519258 .420274 .341970 .279676 .229848 .189778 .157388 .131076 .109600	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .115600 .095430	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .410582 .377774	3 3.373224 2.946188 2.578208 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896 .324334	## 4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 3.98608 .341694 .293170 .251746 .186044	1 .088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694	\$ 1,941750 \$ 4,531728 \$ 3,476960 \$ 2,683888 \$ 2,084412 \$ 1,628794 \$ 1,280574 \$ 1,012916 \$ 805992 \$ 645094 \$ 19258 \$ 420274 \$ 341970 \$ 279676 \$ 229848 \$ 131076 \$ 109600 \$ 091990	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209658 .171392 .140508 .115600 .095430 .079030	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .530950 .577864 .529796 .486200 .446602 .4410582	3 3.373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 .398608 .341694 .293170 .251746 .216340	1 .088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694 .022314	\$\begin{array}{cccccccccccccccccccccccccccccccccccc	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .115600 .095430 .079030	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602 .410582 .377774 .320532	3 3.373224 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896 .324334 .258072	## 4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 .398608 .341694 .293170 .251746 .216340 1.86044 .137848	1 .088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694	\$ 1,941750 \$ 4,531728 \$ 3,476960 \$ 2,683888 \$ 2,084412 \$ 1,628794 \$ 1,280574 \$ 1,012916 \$ 805992 \$ 645094 \$ 19258 \$ 420274 \$ 341970 \$ 279676 \$ 229848 \$ 131076 \$ 109600 \$ 091990	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .171392 .140508 .115600 .095430 .0754680 .038234	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918 .210214
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304	2 2.272150 2.033286 1.824416 1.824416 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602 .410582 .377774 .320532 .272708 .232590 .198812	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896 .324334 .258072 .205758	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465450 .398608 .341694 .293170 .251746 .216340 1.86044 1.37848 .102368	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694 .022314 .017684	5.941750 4.531728 3.47650 2.683888 2.084412 1.628794 1.012916 .805992 .645094 .519258 420274 .341970 .279676 .229848 .189778 .157388 .131076 .109600 .091990 .065492 .047234	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .115600 .095430 .079030	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304	2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602 .410582 .377774 .320532 .272708 .232590 .198812 .170280	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .324334 .258072 .205758 .164342 .131474 .105334	## 4 .055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .536782 .544104 .465460 3.98608 .341694 .293170 .251746 2.16340 1.86044 1.37848 .102368 .076168 .056770 .042378	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .05	2 5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.280574 1.012916 .805992 .645094 .519258 .420274 .341970 .279676 .229848 .189778 .157388 .131076 109600 .091990 .065492 .047234 .025412 .018920	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .115600 .095430 .079030 .038234 .026984	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918 .210214 .140596
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.5 1.6 1.7 1.8 1.9 2.0 2.4 2.6 2.8 3.0 3.5	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304 .522806 .470320	#IL 2 2.272150 2.033286 1.824416 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602 .410582 .377774 .320532 .272708 .232590 .198812 .170280 .116494	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896 .324334 .258072 .205758 .164342 .131474 .105334	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 .398608 .341694 .293170 .251746 .216340 1.86044 1.37848 .102368 .076168 .056770 .042378	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694 .022314 .017684 .014260 .011688 .009726 .006522	\$\ \text{S.941750} \\ 4.531728 \\ 3.47663888 \\ 2.084412 \\ 1.628794 \\ 1.280574 \\ 1.012916 \\ .805992 \\ .645094 \\ .519258 \\ 420274 \\ .341970 \\ .279676 \\ .229848 \\ 189778 \\ .157388 \\ .131076 \\ .109600 \\ .091990 \\ .065492 \\ .047234 \\ .034464 \\ .025412 \\ .018920 \\ .009396	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .171392 .140508 .075430 .075430 .075430 .0754680 .038234 .026984 .013766 .006156	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918 .210214 .140596 .094724 .064234 .064234
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304 .522806 .470320 .427594	#IL 2 2.272150 2.033286 1.82416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .577864 .529796 .486200 .446602 .410582 .377774 .320532 .272708 .232590 .198812 .170280 .116494 .080440	3 3.373224 2.946188 2.578208 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736992 .653316 .580320 .515878 .458920 .408526 .324334 .258072 .205758 .164742 .131474 .105334 .060856 .035394	## 4 . 055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 .398608 .341694 .293170 .251746 .216340 .186044 1.37848 .102368 .076168 .056770 .042378 .020516 .009996	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694 .022314 .017684 .014260 .011688 .009726 .009726	\$ 1,941750 4,531728 3,476960 2,683888 2,084412 1,628794 1,280574 1,012916 .805992 .645094 519258 .420274 .341970 2,79676 .229648 .189778 .157388 .131076 .109600 .091990 .065492 .047234 .018920 .009396 .004892	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .315600 .257990 .209858 .171392 .140508 .115600 .095430 .079030 .038234 .026984 .019204 .013766 .006156	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918 .210214 .140596 .094724 .064234 .024906 .009922
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.5 4.0 4.5	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304 .522806 .470320 .427594 .392134	#IL 2 2.272150 2.033286 1.824416 1.824416 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .410582 .377774 .320532 .272708 .232590 .198812 .170280 .116494 .080440	3 3.373224 2.946188 2.578208 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896 .324334 .258072 .205758 .164342 .131474 .105334 .060856 .035394	## 4 .055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .636782 .544104 .465460 3.98608 .341694 .293170 .251746 2.16340 .186044 .137848 .102368 .076168 .076168 .056770 .042378 .020516 .009996 .004896	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032864 .022314 .017684 .017684 .017684 .017684 .017688 .009726 .009726 .009726 .009726	\$ 1,941750 \$ 1,541750 \$ 1,541750 \$ 1,541750 \$ 1,541750 \$ 1,645960 \$ 1,64594 \$ 1,280574 \$ 1,012916 \$ 1,805992 \$ 1,645994 \$ 1,91274 \$ 1,91	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .11508 .11508 .1054680 .038234 .026984 .026984 .013766 .006156 .002842 .001346	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918 .210214 .140596 .094724 .064234 .024906 .009922 .004036
.1 .2 .4 .5 .6 .7 .9 1.0 1.1 1.3 1.4 5 1.6 1.7 1.8 9 2.2 2.4 6 3.5 0 4.5 5 6 3.5 6 4.5 6 7 1.6 6 7 1.6 6 7 1.6 6 7 1.6 6 7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304 .522806 .470320 .427594 .392134 .362222	#IL 2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602 .410582 .377774 .320532 .272708 .232590 .194812 .170280 .116494 .080440 .055972 .039196	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .6533116 .580320 .515878 .458920 .408526 .324334 .258072 .205758 .164342 .131474 .105334 .060856 .035394 .020700 .012162	## 4 .055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .536782 .544104 .465460 3.98608 .341694 .293170 .251746 .216340 1.86044 1.37848 .102368 .076168 .056770 .042378 .020516 .009996 .004896 .002408	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .059034 .059034 .059034 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .017684 .009726 .006522 .004708 .00904	2 5.941750 4.531728 3.476960 2.683888 2.084412 1.628794 1.012916 .805992 .645094 .519258 .420274 .341970 .279676 .229848 .189778 .157388 .131076 .109600 .091990 .065492 .047234 .034464 .025412 .018920 .009396 .004892 .002654 .001494	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .115600 .095430 .079030 .054680 .038234 .026984 .013766 .006156 .002842 .001346	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .997266 .482284 .316918 .210214 .140596 .0994724 .064234 .024906 .009922 .004036
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.5 1.6 7 1.8 1.9 2.0 2.2 2.4 2.8 3.5 4.0 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304 .522806 .470320 .427594 .392134 .362222 .314466	#IL 2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602 .410582 .272708 .232590 .198812 .170280 .116494 .080440 .055972 .039196	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896 .324334 .258072 .205758 .164342 .131474 .105334 .060856 .035394 .020700 .012162 .004246	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .536782 .544104 .465460 .398608 .341694 .216340 .186044 1.37848 .102368 .076168 .056770 .042378 .020516 .009996 .004896 .002408	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694 .022314 .017684 .012688 .009726 .006522 .004708 .003610 .002904 .002904	5.941750 4.531728 3.47650 2.683888 2.084412 1.628794 1.012916 .805992 .645094 .519258 420274 .341970 .279676 .229848 .189778 .157388 .131076 .109600 .091990 .065492 .047234 .034464 .025412 .018920 .009396 .004892 .002654 .001494 .000524	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .1713	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 923880 .741734 .597266 .482284 .316918 .210214 .140596 .094724 .064234 .024906 .009922 .004036 .001670 .000296
.1 .2 .4 .5 .6 .7 .9 1.0 1.1 1.3 1.4 5 1.6 1.7 1.8 9 2.2 2.4 6 3.5 0 4.5 5 6 3.5 6 4.5 6 7 1.6 6 7 1.6 6 7 1.6 6 7 1.6 6 7 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .843300 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304 .522806 .470320 .427594 .392134 .362222 .314466 .277942	#IL 2 2.272150 2.033286 1.82416 1.641086 1.479590 1.336852 1.210282 1.210282 1.097716 .997322 .827080 .630950 .577864 .529796 .486200 .446602 .410582 .377774 .320532 .272708 .232590 .198812 .170280 .110280 .110280 .1084440 .055972 .039196 .019524 .009886	3 3.373224 2.946188 2.578208 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .830088 .736992 .653316 .580320 .515878 .458920 .408526 .363896 .324334 .258072 .205758 .164342 .131474 .105334 .060856 .036394 .020700 .012162 .004246 .001500	## 4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 7.46210 .636782 .544104 4.65460 .398608 .341694 .293170 2.51746 2.16340 .186044 1.37848 1.02368 .076168 .056770 .042378 .020516 .00996 .004896 .002408 .000146	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .082138 .089412 .059034 .050520 .043492 .037658 .032786 .022314 .017684 .017684 .017688 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009726 .009904 .0029904 .0029904 .0029904	\$ 1,941750 4,531728 3,476960 2,683888 2,084412 1,628794 1,280574 1,012916 805992 645094 519258 420274 341970 2,79676 2,29648 1,89778 1,57388 1,31076 1,01990 0,065492 0,47234 0,01494 0,00524 0,00494 0,00524	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .115600 .095430 .079030 .054680 .038234 .019204 .013766 .006156 .006156 .000652 .000042	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 .923880 .741734 .597266 .482284 .316918 .210214 .140596 .094724 .064234 .024906 .009922 .004036 .001670 .000296
.1 .2 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.2 2.2 2.4 2.8 3.5 4.5 5.0 4.5 5.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.428002 1.354446 1.287104 1.225318 1.168516 1.116188 1.067884 1.023214 .981822 .943396 .907660 .874370 .814256 .787062 .761558 .737604 .715070 .693844 .673820 .637012 .604000 .574246 .547304 .522806 .470320 .427594 .392134 .362222 .314466	#IL 2 2.272150 2.033286 1.824416 1.641086 1.479590 1.336852 1.210282 1.097716 .997322 .907552 .827080 .754780 .689680 .630950 .577864 .529796 .486200 .446602 .410582 .272708 .232590 .198812 .170280 .116494 .080440 .055972 .039196	3 3.373224 2.946188 2.946188 2.578208 2.260244 1.984810 1.745654 1.537532 1.356042 1.197468 1.058664 .936964 .830088 .736092 .653316 .580320 .515878 .458920 .408526 .363896 .324334 .258072 .205758 .164342 .131474 .105334 .060856 .035394 .020700 .012162 .004246	4.055680 3.383122 2.831660 2.377392 2.001592 1.689474 1.429304 1.211720 1.029202 .875674 .746210 .536782 .544104 .465460 .398608 .341694 .216340 .186044 1.37848 .102368 .076168 .056770 .042378 .020516 .009996 .004896 .002408	1 1.088608 .842212 .656384 .515406 .407794 .325134 .261226 .211488 .172518 .141778 .117366 .097848 .082138 .069412 .059034 .050520 .043492 .037658 .032786 .028694 .022314 .017684 .012688 .009726 .006522 .004708 .003610 .002904 .002904	5.941750 4.531728 3.47650 2.683888 2.084412 1.628794 1.012916 .805992 .645094 .519258 420274 .341970 .279676 .229848 .189778 .157388 .131076 .109600 .091990 .065492 .047234 .034464 .025412 .018920 .009396 .004892 .002654 .001494 .000524	3 5.901310 4.491340 3.437006 2.644750 2.046438 1.592270 1.245712 .979868 .774852 .615902 .492014 .394946 .318500 .257990 .209858 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .140508 .171392 .1713	52.476660 39.441240 29.779300 22.588000 17.212660 13.177170 10.134190 7.829272 6.075594 4.735294 3.706336 2.912900 2.298394 1.820432 1.447120 1.154364 923880 .741734 .597266 .482284 .316918 .210214 .140596 .094724 .064234 .024906 .009922 .004036 .001670 .000296

TABLE 13. CRRES Omnidirectional Geometric Factors for Power Law Spectra Mirror Plane Path Length Distribution, Spin Average

				L GEOMETRIC	FACTORS (cm²			
N	1	NILE 2	T CHANNEL 3	4	1	LOLI 2	ET CHANNEL 3	4
	. 146584	1.037831	055730	15.675260	2.050491	8.932288	0 630034	129.712000
.1 .2	.133789	.883630	.855738 .717041	12.549840	1.521226	6.559559	8.628024 6.326165	94.560700
.3	. 122443	.755711	.602896	10.099350	1.135013	4.838814	4.657698	69.171100
.4 .5	.112363 .103387	. 649109 . 559869	.508606 .430432	8.167010 6.634768	. 852027 . 643765	3.586516 2.671733	3.444265 2.558622	50.778880 37.414840
.6	.095379	.484829	.365387	5.413247	.489777	2.000849	1.909790	27.673250
.7	.088218	.421451	.311077	4.434415	.375353	1.506768	1.432567	20.548560
.8 .9	.081802 .076041	.367692 .321899	.265575 .227328	3.646196 3.008515	.289877 .225670	1.141282 .869657	1.080106 .818659	15.319720 11.468460
1.0	.070856	.282734	.195076	2.490355	. 177156	. 666800	. 623845	8.621323
1.1	.066181	.249102	.167796	2.067574	.140274	.514523	.478000	6.508464
1.2 1.3	.061956 .058130	. 220114 . 195035	. 144654 . 124968	1.721282 1.436618	.112055 .090319	.399605 .312401	. 368284 . 285336	4.934375 3.756986
1.4	.054659	.173263	.108176	1.201830	.073464	.245850	.222304	2.872742
1.5	.051502	. 154298	.093816	1.007576	.060299	. 194764	. 174157	2.205922
1.6 1.7	.048625 .045999	. 137725 . 123197	.081506 .070929	. 846393 . 712294	.049943 .041737	. 155316 . 124668	. 137185 . 108645	1.700984 1.317034
1.8	.043596	. 110427	.061822	. 600453	.035186	.100713	. 086496	1.023873
1.9	.041393	.099170	.053963	.506960	.029917	.081874	.069216	.799106
2.0 2.2	.039370 .035792	. 089220 . 072577	.047169 .036178	. 428642 . 307633	.025650 .019303	.066968 .045598	.055663 .036512	. 626073 . 388544
2.4	.032740	. 059396	.027878	. 221805	.014957	.031739	.024375	.244477
2.6	.030119	.048871	.021571	. 160564	.011898	.022543	.016535	. 155788
2.8 3.0	.027851 .02 58 77	.040405 .033551	.016753 .013054	.116637 .084989	. 009689 . 008055	.016308 .011996	.01138u .007935	. 100424 . 065414
3.5	.021931	.021429	.007085	.038955	.005469	.005925	.003379	.023294
4.0	.019001	.013955	.003903	.018088	.004034	.003147	.001522	.008679
4.5 5.0	.016759 .014997	.00 9 232 .006187	.002175 .001224	.008485 .004014	.003158 .002583	.001770 .001041	.000716	.003349 .001328
6.0	.012427	.002867	.000397	.000916	.001894	.000398	.000089	.000223
7.0	.010652	.001372	.000132	.000213	.001505	.000167	.000025	.000040
8.0 9.0	.009359 .008377	.000672 .000336	.000045 .000015	.000050 .000012	.001261 .001096	.000075 .000035	.000007	.000007 .000001
10.0	.007606	.000171	.000006	.000003	.000978	.000017	.000000	.000000
					FACTORS (cm²			
	1	HIL	ET CHANNEL	multi	ply by 10 ⁻³	LOLET	CHANNEL	
N	1	5 HIFI		multi 4	ply by 10 ⁻³ 1		CHANNEL 3	4
.1	1.616791	HILI 2 2.877257	ET CHANNEL 3 4.546142	multi 4 5.972407	ply by 10 ⁻³ 1 1.010989	LOLET 2 4.941678	3 4.937280	37.830890
.1 .2	1.616791 1.517070	HILI 2 2.877257 2.517495	4.546142 3.893998	multi 4 5.972407 4.829003	ply by 10 ⁻³ 1 1.010989 .775376	LOLET 2 4.941678 3.715015	3 4.937280 3.705763	37.830890 28.153810
.1 .2 .3 .4	1.616791 1.517070 1.426934 1.345271	HILI 2 2.877257 2.517495 2.211058 1.948880	4.546142 3.893998 3.344733 2.880553	multi 4 5.972407	ply by 10 ⁻³ 1 1.010989	LOLET 2 4.941678	3 4.937280 3.705763 2.795254 2.119213	37.830890
.1 .2 .3 .4	1.616791 1.517070 1.426934 1.345271 1.271117	2.877257 2.877257 2.517495 2.211058 1.948880 1.723599	4.546142 3.893998 3.344733 2.880553 2.487002	5.972407 4.829003 3.923840 3.203207 2.626345	1.010989 .775376 .598713 .465543 .364603	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330	3 4.937280 3.705763 2.795254 2.119213 1.615038	37.830890 28.153810 21.038200 15.786790 11.896460
.1 .2 .3 .4 .5	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627	HILI 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212	4.546142 3.893998 3.344733 2.80553 2.487002 2.152287	multi 4 5.972407 4.829003 3.923840 3.203207 2.626345 2.162146	1.010989 .775376 .598713 .465543 .364603 .287652	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198
.1 .2 .3 .4 .5 .6	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777	#ILU 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341	4.546142 3.893998 3.344733 2.880553 2.487002 2.1526761 1.622499	multi 4 5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264
.1 .2 .3 .4 .5 .6 .7 .8	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203	2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029
.1 .2 .3 .4 .5 .6 .7 .8	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777	2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.02869730 .722052	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674 .222263	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.38275 1.849461 1.441259
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 974482 .876031 .789217 .712433 .644324	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 2.35861 1.190234	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674 .22263 .177502	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942	2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748	4.546142 3.893998 3.344733 2.880553 2.487002 1.52287 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 0.260730 .722052 607133 .511600 431951 365365	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603	4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674 .222263 .177502 .142425 .114802	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .742306	2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .533748 .529732 .481452	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 3.65365 3.09561	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .253682 .279674 .222263 .177502 .142425 .114802 .092942	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .769942 .716518	2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 .309561 .262684	1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674 .22263 .177502 .142425 .114802 .092942 .075560	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.616791 1.517070 1.426934 1.345271 1.271117 2.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .742306 .716518 .692410 .669833	2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .399370 .364440	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 .309561 .262684 .223223 .189939	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935	4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .050535	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437900 .348607
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .742306 .716518 .692410 .669833 .628757	2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .529732 .481452 .438200 .399370 .364440 .304537	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 .309561 .262684 .223223 .189939 .138009	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935 .022622 .017519	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .742306 .716518 .692410 .669833 .628757 .592381	2.877257 2.517495 2.211058 1.948800 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .399370 .364440 .304537 .255550	T CHANNEL 3 4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048 .267257 .210117	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 .309561 .262684 .223223 .189939 .138009 .100697	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .02920 .025935 .022622 .017519 .013873	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112 .029331	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674 .22263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367 .179027 .116359
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .742306 .716518 .692410 .669833 .628757 .592381 .559971 .530930	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .39370 .364440 .304537 .255550 .215245 .181901	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .336785 .341048 .267257 .210117 .165676 .130975	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 860730 722052 .607133 .511600 .341951 .365365 .309561 .262684 .223223 .189939 .138009 .100697 .073738 .054167	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364663 .287652 .228641 .183113 .447769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935 .022622 .017519 .013873 .011213 .009234	4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112 .029331 .021245 .015604	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 449574 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292 .023576 .016399 .011528	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367 .179027 .116359 .076348
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .742306 .716518 .692410 .669833 .628757 .592381 .559971 .530930 .504771	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .529732 .481452 .438200 .399370 .364440 .304537 .255550 .215245 .181901 .154183	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048 .267257 .210117 .165676 .130975	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 .309561 .262684 .223223 .189939 .138009 .100697 .073738 .054167	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935 .02622 .017519 .013873 .011213 .009234 .007735	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .04112 .029331 .021245 .015604 .011607	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .2353682 .279674 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .061676 .016399 .011528 .008180	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367 .179027 .116359 .076348 .050522
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.6 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .742306 .7423	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .39370 .364440 .304537 .255550 .215245 .181901	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048 .267257 .210117 .165676 .130975 .103785	### 4 5.972407 4.829003 3.923840 3.20327 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .36555 .309561 .262684 .223223 .18939 .138009 .100697 .073738 .054167 .039900 .018768	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .02920 .025935 .022622 .017519 .013873 .011213 .009234 .007735	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112 .029331 .021245 .015604 .011607	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .353682 .279674 .22263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292 .023576 .016399 .011528 .008180 .003595	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367 .179027 .116359 .076348 .050522 .033688
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .742306 .716518 .692410 .669833 .628757 .592381 .559971 .530930 .504771 .449506 .405268 .369043	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .399370 .364440 .304537 .255550 .215245 .181901 .154183 .103140 .069919 .047910	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048 .267257 .210117 .165676 .130975 .103785 .058524 .033349 .019165	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 .309561 .262684 .22323 .189939 .138009 .100697 .073738 .054167 .039900 .018768 .008229 .004286	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935 .025922 .017519 .013873 .011213 .009234 .007735 .005300 .003063	4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112 .029331 .021245 .015604 .011607 .005817 .003095	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 449574 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292 .023576 .016399 .011528 .008180 .003595 .001647 .000781	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367 .179027 .116359 .076348 .050522 .033688 .012582 .004856 .001923
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.5 4.5 5.6 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .742306 .716518 .692410 .669833 .628757 .592381 .55971 .530930 .504771 .449506 .405268 .369043 .338811	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .399370 .364440 .304537 .255550 .215245 .181901 .154183 .103140 .069919 .047910 .033118	4. 546142 3. 893998 3. 344733 2. 880553 2. 487002 2. 152287 1. 866761 1. 622499 1. 412967 1. 232763 1. 077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048 .267257 .210117 .165676 .130975 .103785 .058524 .033349 .011091	5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 .309561 .262684 .223223 .18993 .138009 .100697 .073738 .054167 .039900 .018768 .008929 .004286	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935 .022622 .017519 .013873 .011213 .009234 .007735 .005300 .003915 .003063	LOLET 2 4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .04112 .029331 .021245 .01604 .011607 .005817 .003095	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 .449574 .2353682 .279674 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .0610535 .034292 .023576 .016399 .011528 .008180 .003595 .001647 .000380	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367 .179027 .116359 .076348 .050522 .033688 .012582 .004856 .001923
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .742306 .716518 .692410 .669833 .628757 .592381 .559971 .530930 .504771 .449506 .405268 .369043	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .399370 .364440 .304537 .255550 .215245 .181901 .154183 .103140 .069919 .047910	4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 .943147 .826877 .725975 .638237 .561807 .495111 .436816 .385785 .341048 .267257 .210117 .165676 .130975 .103785 .058524 .033349 .019165 .011091 .003777	### 4 5.972407 4.829003 3.923840 3.20327 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365353 .309561 .262684 .223223 .18939 .138009 .100697 .073738 .054167 .039900 .018768 .008929 .004286 .002072 .000492	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935 .025922 .017519 .013873 .011213 .009234 .007735 .005300 .003063	4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112 .029331 .021245 .015604 .011607 .005817 .003095	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 449574 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292 .023576 .016399 .011528 .008180 .003595 .001647 .000781	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 .885388 .697784 .551856 .437909 .348607 .278367 .179027 .116359 .076348 .050522 .033688 .012582 .004856 .001923
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .742306 .716518 .692410 .669833 .628757 .592381 .559971 .530930 .504771 .449506 .405268 .369043 .338811 .291149 .255190 .227032	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .399370 .364440 .304537 .255550 .215245 .181901 .154183 .103140 .069919 .047910 .033118 .016160 .008055 .004081	4. 546142 3. 893998 3. 344733 2. 880553 2. 487002 2. 152287 1. 866761 1. 622499 1. 412967 1. 232763 1. 077401 . 943147 . 826877 . 725975 . 638237 . 561807 . 495111 . 436816 . 385785 . 341048 . 267257 . 210117 . 165676 . 130975 . 103785 . 058524 . 033349 . 0011091 . 003777 . 001309 . 000459	\$ 1,972407 4,829003 3,923840 3,203207 2,626345 2,162146 1,786736 1,481691 1,232715 1,028647 860730 7,22052 807133 \$11600 431951 3,65365 3,09561 262684 223223 1,89939 1,100697 0,73738 0,54167 0,39900 0,18768 0,08929 0,004286 0,002072 0,000492 0,000119 0,000029	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .09849 .081271 .067592 .056627 .047783 .040603 .034739 .029920 .025935 .022622 .017519 .013873 .011213 .009234 .007735 .005300 .00363 .002503 .001835 .001228	4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 .235861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112 .029331 .021245 .015604 .011607 .005817 .005817 .005079 .001009	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 449574 .222263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292 .023576 .016399 .011528 .008180 .003595 .001647 .000781 .000380 .00097 .000087	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.84283 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 8.85388 697784 .551856 437909 .348607 .278367 .179027 .116359 .076348 .050522 .033688 .012582 .004856 .001923 .000778
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 4.2 2.8 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.616791 1.517070 1.426934 1.345271 1.271117 1.203627 1.142062 1.085777 1.034203 .986844 .943261 .903067 .865924 .831527 .799612 .769942 .742306 .716518 .669833 .628757 .592381 .559971 .530930 .504771 .449506 .405268 .369043 .338811 .291149	#ILL 2 2.877257 2.517495 2.211058 1.948880 1.723599 1.529212 1.360806 1.214341 1.086486 .974482 .876031 .789217 .712433 .644324 .583748 .529732 .481452 .438200 .399370 .364440 .304537 .255550 .215245 .181901 .154183 .103140 .069919 .047910 .033118 .016160 .008055	T CHANNEL 3 4.546142 3.893998 3.344733 2.880553 2.487002 2.152287 1.866761 1.622499 1.412967 1.232763 1.077401 943147 .826877 .725975 .638237 .561807 .495111 436816 .385785 .341048 .267257 .210117 .165676 .130975 .033349 .019165 .011091 .003777 .001309	### 4 5.972407 4.829003 3.923840 3.203207 2.626345 2.162146 1.786736 1.481691 1.232715 1.028647 .860730 .722052 .607133 .511600 .431951 .365365 3.09561 .262684 .223223 1.89939 .138099 .100697 .073738 .054167 .03990 .0018768 .008929 .004286 .002072 .000492 .000119	ply by 10 ⁻³ 1 1.010989 .775376 .598713 .465543 .364603 .287652 .228641 .183113 .147769 .120157 .098449 .081271 .067592 .0556627 .047783 .040603 .034739 .029920 .025935 .022622 .017519 .013873 .011213 .009234 .007735 .005300 .003915 .003063 .002503 .001835 .001461	4.941678 3.715015 2.807905 2.134123 1.631330 1.254316 .970200 .754978 .591077 .465576 .368945 .294123 2.35861 .190234 .154300 .125840 .103175 .085025 .070414 .058590 .041112 .029331 .021245 .015604 .011607 .005817 .003095 .001730 .001009 .000379 .000157	3 4.937280 3.705763 2.795254 2.119213 1.615038 1.237316 .952991 .737933 .574460 449574 .353682 .279674 .22263 .177502 .142425 .114802 .092942 .075560 .061676 .050535 .034292 .023576 .016399 .011528 .008180 .003595 .001647 .000380 .000380 .000097	37.830890 28.153810 21.038200 15.786790 11.896460 9.003198 6.842873 5.223264 4.004029 3.082373 2.382755 1.849461 1.441259 1.127514 885388 697784 .551856 437909 .348607 .278367 .179027 .116359 .076348 .050522 .033688 .012582 .004856 .001923 .000784

TABLE 14 A. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^{999} \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 0$

				L GEOMETRIC	FACTORS (cm²			
H	1	MILE 2	T CHANNEL 3	4	1	LOLI	ET CHANNEL 3	4
.1	. 169959	1.372362	1.238301	17.474520	1.368842	2.924576	2.682787	5.047819
.2	.151759	1.107444	.989264	12.850990	1.002773	2.389534	1.914574	3.603753
.3 .4	. 135896 . 122044	.897418 .730353	.792939 .637721	9.485748 7.028551	.737567 .544815	1.496364 1.074253	1.369272 .981531	2.579229 1.850896
. 5	.109926	. 596998	.514642	5.228437	.404253	.773300	.705322	1.332006
. 6	.099304	.490168	.416749	3.905148	. 301382	.558288	. 508181	.961481
.7 .8	.089976 .081767	.404268 .334935	.338646 .276135	2.928901 2.206019	.225815 .170087	.404340 .293856	. 367182 . 266112	. 696254 . 505 9 06
.9	.074528	.278753	.225943	1.668710	. 128821	.214363	. 193495	.368921
1.0	.068131	.233045	. 185510	1.267773	.098132	.157014	. 141186	.270048
1.1 1.2	.062466 .057438	. 195708 . 165082	.152831 .126332	.967397 .741444	.075207 .058003	.115518 .085398	.103407 .076041	. 198463 . 146462
1.3	.052966	. 139856	.104773	. 570769	. 045029	.063461	.056157	.108558
1.4	.048980	. 118991	.087174	.441307	.035197	.047426	.041662	.080828
1.5 1.6	.045419 .042231	. 101660 . 087204	.072760 .060917	.342692 .267253	.027707 .021971	.035657 .026983	.031058 .023272	.060463 .045447
1.7	.039369	.075097	.051153	.209300	.017555	.020560	.017532	.034328
1.8	.036795	.064914	.043079	.164592	.014136	.015782	.013282	.026060
1.9 2.0	.034475 .032378	.056316 .049026	.036380 .030806	. 129955 . 103011	.011474 .009389	.012207 .009518	.010121 .0077 6 0	.019884 .015249
2.2	.028756	.037521	.022258	.065458	.006445	.005932	.004648	.009107
2.4	.025760	.029065	.016235	.042191	.004576	.003827	.002856	.005549
2.6 2.8	.023259 .021153	.022761 .018001	.011945 .008858	.027554 .018215	.003360 .002549	.002554 .001761	.001801 .001165	.003447 .002181
3.0	.019366	.014361	.006615	.012175	.001995	.001252	.000772	.001403
3.5	.015928	.008438	.003276	.004639	.001219	.000596	.000302	.000497
4.0 4.5	.013496 .011706	.005151 .003239	.001674 .000877	.001859 .000775	.000856 .000662	.000320 .000186	.000132	.000189 .000076
5.0	.010344	.002086	.000468	.000333	.000547	.000114	.000031	.000032
6.0	.008425	.000914	.000140	.000066	.000423	.000047	.000008	.000006
7.0 8.0	.007146 .006238	.000423 .000204	.000044	.000014	.000360 .000323	.000021	.000002	.000001
9.0	.005562	.000101	.000005	.000001	.000301	.000005	.000000	.000000
10.0	.005039	. 000051	.000002	.000000	. 000286	. 000003	.000000	.000000
				ONAL GEOMETR	IC FACTORS (c		CHAMME!	
N	1		OMNIDIRECTION ET CHAMMEL 3	ONAL GEONETR mult: 4	IC FACTORS (c iply by 10 ⁻³ 1		CHANNEL 3	4
		NIL 2	ET CHANNEL 3	mult:	iply by 10 ⁻³ 1	LOLET 2	3	•
.1 .2	1 1.952599 1.805495	HIL	ET CHANNEL	multi	iply by 10^{-3}	LOLET		4 2.398102 1.711716
.1 .2 .3	1.952599 1.805495 1.674255	MIL 2 4.075730 3.429896 2.899270	7.086521 5.870975 4.880646	9.965312 7.510330 5.682631	.873338 .656508 .495788	2.808327 2.015253 1.449400	3 2.777881 1.990602 1.429414	2.398102 1.711716 1.224821
.1 .2 .3	1.952599 1.805495 1.674255 1.556893	MIL 2 4.075730 3.429896 2.899270 2.461434	7.086521 5.870975 4.880646 4.070998	9.965312 7.510330 5.682631 4.316916	.873338 .656508 .495788 .376190	2.808327 2.015253 1.449400 1.044950	3 2.777881 1.990602 1.429414 1.028711	2.398102 1.711716 1.224821 .878743
.1 .2 .3 .4 .5	1.952599 1.805495 1.674255	MIL 2 4.075730 3.429896 2.899270	7.086521 5.870975 4.880646	9.965312 7.510330 5.682631	.873338 .656508 .495788	2.808327 2.015253 1.449400	3 2.777881 1.990602 1.429414	2.398102 1.711716 1.224821
.1 .2 .3 .4 .5 .6	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042	MIL 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352	7.086521 5.870975 4.880646 4.070998 3.446771 2.859964 2.408297	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546	.873338 .656508 .495788 .376190 .286831 .219788 .169273	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283
.1 .2 .3 .4 .5 .6	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180	MIL 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566	7.086521 5.870975 4.880646 4.070998 3.446771 2.859964 2.408297 2.033965	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517	4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033	7.086521 5.870975 4.880646 4.070971 2.859964 2.408297 2.033265 1.722704 1.463060	9.965312 7.510330 5.682631 4.316916 3.292866 2.521393 1.936546 1.496346 1.159552 .902048	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134	4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702	7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830	M1L 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241	T.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692	2.808327 2.015253 1.449400 1.044950 .755324 5.47506 .398073 .290376 .212571 .156213 .115277 .085454	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968 .094008
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281	4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987	T. CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .90923 .780332	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.496346 1.19552 .902048 .704402 .552121 434345 .342913	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.065134 .952830 .905042 .861261 .821114	4.075730 3.429896 2.899270 2.461434 2.098624 1.798689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534	T. CHANNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.8559964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .90932 .780332 .670632	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .12968 .094008 .069347 .051377 .038235 .028587
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281 .82114 .784163	4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436	T.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463791 1.063433 .909223 .780332 .670632 .577527	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.065134 .952830 .905042 .861261 .821114	4.075730 3.429896 2.899270 2.461434 2.098624 1.798689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534	T. CHANNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.8559964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .90932 .780332 .670632	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .12968 .094008 .069347 .051377 .038235 .028587
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.065134 .952830 .905042 2.8614281 82114 .784163 .750095 .718620 .689475	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137	T. CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.8559964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .90932 .780332 .670632 .577527 .498306 .430738 .372975	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027200 .020742 .015927 .012318	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992	2.398102 1.71716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861261 .821114 .784163 .750095 .718620 .689475 .662434	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374	T. CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .780332 .780332 .787327 .498306 .437275 .323486	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .025493 .020654 .016838 .013815 .011407	2.808327 2.015253 1.449400 1.044950 755324 547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .047668 .047668 .027200 .020742 .015927 .015927 .015927	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968 .094408 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.2 2.4	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.065134 .952830 .905042 2.8614281 82114 .784163 .750095 .718620 .689475	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137	T. CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.8559964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .90932 .780332 .670632 .577527 .498306 .430738 .372975	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027200 .020742 .015927 .012318	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992	2.398102 1.71716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.065134 .952830 .905042 2.861281 .82114 .784163 .750095 .718620 .689475 .662434 .613877 .571587	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374 .231952 .187218 .152050	T CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .670632 .577527 .498306 .430738 .372975 .323486 .244446 .185743 .141838	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027200 .020742 .015927 .015927 .012318 .009599 .003636 .002548	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941	2.398102 1.71716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381 .007190 .004289 .0042610 .001620
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281 .821114 .784163 .750095 .718620 .689475 .662434 .613877 .571587	#IL 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374 .231952 .187218 .152050 .124177	T CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.8559964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .780332 .670632 .577527 .498306 .430738 .307378 .323486 .244446 .185743 .141838 .108792	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416 .025624	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683 .004842 .003606	2.808327 2.015253 1.449400 1.044950 755324 547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .047668 .027200 .020742 .015927 .012318 .009599 .003836 .002548 .001748	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941 .001250	2.398102 1.711716 1.224821 878743 .632230 .456235 330283 .239909 .174887 .127968 .094408 .069347 .051377 .038235 .028587 .021476 .016213 .009381 .007190 .004289 .0061020
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.0 2.2 2.4 2.6 2.8 3.5	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281 .821114 .784163 .750095 .718620 .689475 .662434 .613877 .534483 .501711 .472578	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374 .231952 .187218 .152050	T CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .670632 .577527 .498306 .430738 .372975 .323486 .244446 .185743 .141838	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027200 .020742 .015927 .015927 .012318 .009599 .003636 .002548	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941	2.398102 1.711716 1.224821 .878743 .632230 .456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381 .007190 .004289 .002610 .001620 .001024 .000658 .000233
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281 .821114 .784163 .750095 .718620 .689475 .662434 .613877 .571887 .534483 .501711 .472578 .412262 .365202	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154437 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374 .231952 .187218 .152050 .124177 .101922 .063399 .040342	T CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .670632 .577527 .498306 .430738 .372975 .323486 .244446 .185743 .108792 .083779 .044259	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416 .025624 .017249 .011710 .004596 .001878	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683 .004842 .003606 .002761 .002172 .001328 .000926	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027200 .020742 .015927 .015927 .015927 .01938 .009599 .009599 .00748 .001748 .001748	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941 .001250 .000824 .000319	2.398102 1.711716 1.224821 878743 .632230 456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381 .007190 .004289 .002610 .001620 .001620 .001620
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.5	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281 .821114 .784163 .750095 .718620 .689475 .662434 .613877 .571587 .534483 .501711 .472578 .412262 .365202	#IL 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .231952 .187218 .152050 .124177 .101922 .063399 .040342 .026152	T. CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .670632 .577527 498306 .430738 .372975 .323486 .244446 .185743 .141838 .141838 .1418392 .083779 .044259 .023799 .012981	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.936546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416 .025624 .017249 .011710 .004596 .001878	191y by 10 ⁻³ 1 .873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683 .004842 .006683 .004842 .003666 .002761 .002172 .001328 .000926	2.808327 2.015253 1.449400 1.044950 7.55324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035969 .027200 .020742 .015927 .015927 .015927 .015927 .015929 .005969 .003836 .002548 .001748 .001235 .000581 .000309 .000175	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941 .001250 .000824 .000317 .000064	2.398102 1.711716 1.224821 878743 .632230 .456235 330283 .239909 .174887 .127968 .094408 .069347 .051377 .038235 .028587 .021476 .016213 .001024 .000658 .0002630 .001024 .000658 .000233 .000089
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281 .82114 .784163 .750095 .718620 .689475 .662434 .613877 .534483 .501711 .472578 .412262 .365202 .327490 .296598	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154437 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374 .231952 .187218 .152050 .124177 .101922 .063399 .040342	T CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .670632 .577527 .498306 .430738 .372975 .323486 .244446 .185743 .108792 .083779 .044259	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416 .025624 .017249 .011710 .004596 .001878	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683 .004842 .003606 .002761 .002172 .001328 .000926	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027200 .020742 .015927 .015927 .015927 .01938 .009599 .009599 .00748 .001748 .001748	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941 .001250 .000824 .000319	2.398102 1.711716 1.224821 878743 .632230 456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381 .007190 .004289 .002610 .001620 .001620 .001620
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 4.5 5.6 6.0 7.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 2.861281 821114 .784163 .750095 .718620 .689475 .662434 .613877 .57187 .534483 .501711 .472578 .412262 .365202 .327490 .296598 .249013	4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374 .231952 .187218 .152050 .124177 .101922 .063399 .040342 .026152 .017220 .007756 .003638	T CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.033965 1.722704 1.463060 1.245791 1.063433 .909923 .780332 .670632 .577527 .498306 .430738 .372975 .323486 .244446 .185743 .141838 .108792 .083779 .023799 .012981 .007163 .000724	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.195552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416 .025624 .017249 .011710 .004596 .001878 .000793 .000345	.873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683 .004842 .003606 .002761 .002172 .001328 .000926 .000711 .000585 .000449 .000381	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027200 .020742 .015927 .015927 .012318 .009599 .003836 .002548 .001748 .001235 .000581 .000309 .000175 .000109	3 2.777881 1.990602 1.429414 1.028711 .742090 .536581 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941 .001250 .000824 .000319 .000137 .000064 .000031	2.398102 1.711716 1.224821 878743 .632230 456235 .330283 .239909 .174887 .127968 .094008 .069347 .051377 .038235 .028587 .021476 .016213 .009381 .007190 .004289 .002610 .001024 .000658 .000015 .000015 .000015 .000003
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6	1.952599 1.805495 1.674255 1.556893 1.451695 1.357173 1.272042 1.195180 1.125620 1.062517 1.005134 .952830 .905042 .861281 .82114 .784163 .750095 .718620 .689475 .662434 .613877 .534483 .501711 .472578 .412262 .365202 .327490 .296598	#1L 2 4.075730 3.429896 2.899270 2.461434 2.098624 1.796689 1.544352 1.332566 1.154077 1.003033 .874702 .765241 .671523 .590987 .521534 .461436 .409261 .363825 .324137 .289374 .231952 .187218 .152050 .124177 .101922 .063399 .040342 .026152 .017220 .007756	T CHAMNEL 3 7.086521 5.870975 4.880646 4.070998 3.406771 2.859964 2.408297 2.03379 1.063433 .909923 .780332 .670632 .577527 .498306 .430738 .372975 .323486 .244446 .185743 .141838 .108792 .083779 .012981 .007163 .002243	9.965312 7.510330 5.682631 4.316916 3.292586 2.521393 1.938546 1.496346 1.159552 .902048 .704402 .552121 .434345 .342913 .271671 .215958 .172234 .137801 .110590 .089017 .058167 .038416 .025624 .017249 .011710 .004596 .001878 .000793 .000345	873338 .656508 .495788 .376190 .286831 .219788 .169273 .131048 .101994 .079812 .062800 .049692 .039547 .031657 .025493 .020654 .016838 .013815 .011407 .009481 .006683 .004842 .003606 .002761 .002172 .001328 .000926 .000711 .000585	2.808327 2.015253 1.449400 1.044950 .755324 .547506 .398073 .290376 .212571 .156213 .115277 .085454 .063656 .047668 .035899 .027042 .015927 .012318 .009599 .003036 .001748 .001748 .001748 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749 .001749	3 2.777881 1.990602 1.429414 1.028711 .742090 .536681 .389177 .283030 .206470 .151118 .110995 .081832 .060574 .045029 .033625 .025229 .019024 .014421 .010992 .008426 .005040 .003089 .001941 .001250 .000389 .000137 .000064	2.398102 1.711716 1.224821 878743 .632230 .456235 .330283 .239909 .174887 .024008 .069347 .051377 .038235 .028587 .021476 .016213 .012301 .009381 .007190 .004289 .002610 .001024 .000233 .000089 .000015

TABLE 14 B. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^{999} \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 30$

				DNAL GEOMETR	IC FACTORS (FT 0414 NFT	
N	1	HILI 2	ET CHANNEL 3	4	1	10L 2	ET CHANNEL 3	4
.1	. 147365	1.060325	. 888209	17.365420	1.917392	7.702781	7.412600	100.843500
.2	. 133962	.903284	.746692	14.030890	1.422396	5.641826	5.420940	73.076610
.3	. 122113	.772274	. 629394	11.379230	1.061187	4.149562	3.979505	53.102270
.4 .5	.111619 .102305	. 662584 . 570416	. 531887 . 450599	9.261209 7.562256	.796529 .601773	3.065567 2.275411	2.933046 2.170837	38.698630 28.285720
.6	.094023	.492698	.382646	6.193974	.457791	1.697330	1.613748	20.738040
.7	.086644	.426935	.325684	5.087847	. 350823	1.272770	1.205100	15.252330
.8 .9	.080055 .074161	.371100 .323535	.277813 .237478	4.190430 3.459917	.270936 .210947	.959677 .727787	.904199 .681753	11.253990 8.331263
1.0	.068876	. 282883	.203409	2.863392	.165636	.555257	.516624	6.188381
1.1	.064127	.248027	. 174566	2.374833	.131203	. 426279	. 393515	4.612415
1.2	.059853	.218048	. 150091	1.973611	.104870	.329377	.301322	3.449735
1.3 1.4	.055996 .052510	. 192186 . 169810	.129276 .111538	1.643259 1.370609	. 084598 . 068884	.256193 .200623	.231964 .179537	2.589188 1.950173
1.5	.049351	. 150394	.096390	1.145077	.056616	. 158190	.139715	1.474080
1.6	.046483	. 133500	.083428	.958129	.046971	. 125600	.109318	1.118170
1.7	.043875	.118760	.072318	.802860	.039330	. 100422	.085998	.851198
1.8 1.9	.041497 .039325	. 105868 . 094563	.062776 .054567	. 673665 . 565983	.033233 .028330	.080851 .065545	.068017 .054081	. 650255 . 498486
2.0	.037336	.084626	.047494	.476084	.024358	.053498	.043225	. 383465
2.2	.033837	.068139	.036113	.337985	.018450	.036354	.028034	. 229245
2.4	.030872	.055229	.027585	.240925 .172371	.014400 .011543	.025333 .01 806 9	.01853 5 .012477	. 138875
2.6 2.8	.028339 .026160	.045037 .036930	.021160 .01 6 295	.123736	.009472	.013165	.008540	. 085207 . 052919
3.0	.024273	.030436	.012594	.089095	.007934	.009777	.005934	.033249
3.5	.020526	.019134	.006706	.039661	.005479	.004985	.002530	.010902
4.0 4.5	.017767 .015667	.012311 .008072	.003632 .001996	.017913 .008190	.004092 .003231	.002747 .001602	.001153	.003795 .001392
5.0	.014025	.005374	.001110	.003784	.002656	.000973	.000276	.000534
6.0	.011633	.002469	.000353	.000829	.001953	.000391	.000075	.000088
7.6	.009985	.001176	.000116	.000187	.001549	.000169	.000022	.000016
8.0 9.0	.008783 .007870	.000575 .000287	.000039 .000013	.000043	.001293 .001119	.000077 .000036	.000007	.000003 100000.
10.0	.007153	.000145	.000005	.000002	.000995	.000018	.000001	.000000
				ONAL GEOMETR	IC FACTORS (•	T CHAMMEI	
N	1		OMNIDIRECTION ET CHAMMEL 3	ONAL GECMETR multi 4	IC FACTORS (eply by 10 ⁻³	•	T CHAMNEL 3	4
		HILI 2	ET CHANNEL 3	multi 4	ply by 10 ⁻³	LOLE 2	3	-
.1	1.642204	HILI 2 2.948958	4.706514	multi 4 6,200679	ply by 10 ⁻³ 1 .971872	LOLE 2 4.686921	3 4.752305	36.250030
		HILI 2	ET CHANNEL 3	multi 4	ply by 10 ⁻³	LOLE 2	3	-
.1 .2 .3 .4	1.642204 1.536984 1.442078 1.356280	2.948958 2.585707 2.274538 2.006994	4.706514 4.046568 3.487111 3.011520	multi 4 6.200679 5.085587 4.186240 3.457601	971872 .971872 .743532 .572617 .444026	LOLE 2 4.686921 3.499620 2.625187 1.978727	3 4.752305 3.543764 2.653750 1.995912	36.250030 26.690310 19.712910 14.605710
.1 .2 .3 .4	1.642204 1.536984 1.442078 1.356280 1.278548	2.948958 2.585707 2.274538 2.006994 1.776111	4.706514 4.70658 4.046568 3.487111 3.011520 2.606153	6.200679 5.085587 4.186240 3.457601 2.864755	.971872 .743532 .572617 .444026 .346762	4.686921 3.499620 2.625187 1.978727 1.498906	3 4.752305 3.543764 2.653750 1.995912 1.507835	36.250030 26.690310 19.712910 14.605710 10.856460
.1 .2 .3 .4	1.642204 1.536984 1.442078 1.356280	2.948958 2.585707 2.274538 2.006994	4.706514 4.046568 3.487111 3.011520	multi 4 6.200679 5.085587 4.186240 3.457601	.971872 .743532 .572617 .444026 .346762 .272785	LOLE 2 4.686921 3.499620 2.625187 1.978727	3 4.752305 3.543764 2.653750 1.995912	36.250030 26.690310 19.712910 14.605710
.1 .2 .3 .4 .5 .6 .7	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562	971872 .743532 .572617 .444026 .346762 .272785 .216197	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398
.1 .2 .3 .4 .5 .6 .7 .8	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479	4.706514 4.046568 3.447111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798	.971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656556 1.386798 1.163423	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840
.1 .2 .3 .4 .5 .6 .7 .8	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 900028 809827	4.706514 4.046568 3.447111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 977934 .823506	.971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .308960 .241182	36.250030 26.690310 19.712910 14.605710 10.856460 8.09583 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 900028 .809827 .730038	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308667 .241182 .189164	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 900028 809827 .730038 659279	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 823506 .694625 .586823	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 .870645
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 900028 .809827 .730038	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308667 .241182 .189164	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .731137	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.259553 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .99501 872312 .765701 .672918 .592043 .521442	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .586823 .496465 .420583 .356743	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308966 .241182 .189164 .149060 .118003 .093843 .074965	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 .870645 .668939 5.14703 .397539
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .731137 .704872	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .586823 .496465 420583 .356743 .302945	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .118003 .093843 .074965 .060148	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 514703 397539 307949
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .825385 .789679 .759339 .731137 .704872 .680367	2.948958 2.585707 2.274538 2.006994 1.7761611 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .566823 .496465 .420583 .356743 .302945 .257539	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .067480	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .118003 .093843 .074965 .060148 .048467	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 .514703 .397539 307949 .239234
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.0 2.2	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .731137 .704872	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .99501 872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .586823 .496465 420583 .356743 .302945	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .1183043 .074965 .060148 .048467 .039219	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 514703 397539 307949
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .759339 .731137 .704872 .680367 .657462 .657462	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .307542 .257233	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .586823 .496465 .42058 3.356743 .302945 .257539 .219161 1.159153	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032785 .024173 .021120 .016432 .013092	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .067480 .055381 .045709 .031654	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .118003 .093843 .074965 .060148 .048467 .039219 .025992 .017493	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.91174 1.137624 .870645 .668398 5.14703 .397539 .307949 .239234 .186373 1.14034 .070500
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.2	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .987403 .895940 .857710 .825385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .579216	2.948958 2.585707 2.274538 2.006994 1.776169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .369263 .307542 .257233 .215981	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923 .173045	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .566823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .055381 .045709 .031654 .022387	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .118003 .093843 .074965 .060148 .048467 .039219 .025992 .017493 .011944	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 514703 3397539 307949 239234 .186373 .114034 070500 .044015
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .759339 .731137 .704872 .680367 .657462 .6515899 .579216	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .369263 .307542 .257233 .215981 .181972	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .586823 .496465 .42058 3.356743 .302945 .257539 .219161 1.159153	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032785 .024173 .021120 .016432 .013092	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .067480 .055381 .045709 .031654	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .118003 .093843 .074965 .060148 .048467 .039219 .025992 .017493	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.91174 1.137624 .870645 .668398 5.14703 .397539 .307949 .239234 .186373 1.14034 .070500
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 3.5 3.5 3.5 3.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 4.5 3.5 3.5 3.5 4.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3	1.642204 1.536984 1.442078 1.356280 1.278548 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .517518 .491360 .491360	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 900028 809827 .730038 659279 .596375 .540327 .490276 .445491 .405335 .369263 .307542 .257233 .215981 .181972 .153797 .102197	4.706514 4.046568 3.487111 3.011520 2.666153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923 .173045 .136510 .107941 .060552	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .586823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750 .062103 .045617	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660 .008850 .007476 .005229	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .067480 .055381 .045709 .031654 .022387 .016147 .011860 .008857	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .118003 .093843 .07493 .07493 .011944 .008265 .005791 .002498	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 .514703 .397539 .307949 .239234 .186373 .114034 .070500 .044015 .027737 .017634 .005889
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.0 2.2 2.4 2.6 3.5 3.5 3.6 3.6 3.6 3.6 3.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .579216 .546632 .517518 .491360 .436305 .392431	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .369263 .307542 .257233 .215981 .181972 .153797 .102197	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923 .173045 .136510 .107045 .136510	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .566823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750 .062103 .045617	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660 .008850 .007476 .005229 .00329	4.686921 3.499620 2.625187 1.978727 1.498966 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .055381 .045709 .031654 .022387 .016147 .011860 .008857 .004547	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .118003 .093843 .074965 .060148 .048467 .039219 .025992 .017493 .011944 .008265 .005791 .002498 .001143	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 514703 3.397539 307949 239234 186373 114034 070500 044015 027737 017634 005889 002061
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.8 3.0 3.5 4.5 4.5 4.5 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .579216 .546632 .517518 .491360 .436305 .392431 .356628	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445335 .369263 .307542 .257233 .215981 .181972 .153797 .102197 .068870 .046940	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .459723 .459723 .459723 .136510 .107941 .060552 .034339 .019647	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.6565562 1.386798 1.163423 .977934 .823506 .694625 .586823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750 .062103 .045617 .021286 .010041 .004779	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660 .008850 .007476 .005229 .003929 .003113	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .067480 .055381 .045709 .031654 .022387 .016147 .011860 .008857	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .18003 .093843 .074965 .060148 .048467 .039219 .025992 .017493 .011944 .008265 .005791 .002498 .001143	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 514703 397539 307949 239234 186373 .114034 070500 044015 027737 .017634 .005889 002061
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.0 2.2 2.4 2.6 3.5 3.5 3.6 3.6 3.6 3.6 3.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .937403 .895940 .857710 .822385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .579216 .546632 .517518 .491360 .436305 .392431	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .369263 .307542 .257233 .215981 .181972 .153797 .102197	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923 .173045 .136510 .107045 .136510	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .566823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750 .062103 .045617	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660 .008850 .007476 .005229 .00329	4.686921 3.499620 2.625187 1.978727 1.498966 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .055381 .045709 .031654 .022387 .016147 .011860 .008857 .004547	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .118003 .093843 .074965 .060148 .048467 .039219 .025992 .017493 .011944 .008265 .005791 .002498 .001143	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 514703 3.397539 307949 239234 186373 114034 070500 044015 027737 017634 005889 002061
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.9 2.0 2.2 2.4 2.8 3.0 5.0 4.5 5.0 6.0 7.0 6.0 7.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .987403 .895940 .857710 .822385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .579216 .546632 .517518 .491360 .436305 .392431 .356628 .326830 .279992 .244769	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .369263 .307542 .257233 .215981 .181972 .153797 .102197 .068870 .046940 .032290 .015618	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923 .173045 .136510 .107412 .006552 .034339 .011325 .003830 .001319	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .566823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750 .062103 .045617 .021286 .010041 .004779 .002291 .000536	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660 .008850 .007476 .005229 .003113 .005266 .001894 .001508	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .055381 .045709 .031654 .022387 .016147 .011860 .008857 .004547 .002510 .001464	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .118003 .093843 .074965 .060148 .048467 .039219 .025992 .017493 .011944 .008265 .005791 .002498 .001143 .0002498 .001273 .000074 .000074	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 .514703 .397539 .307949 .239234 .186373 .114034 .070500 .044015 .027737 .017634 .005889 .002061 .000752 .000265 .000086
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.8 3.0 3.5 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 -982465 -937403 .895940 .857710 .822385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .57916 .546632 .517518 .491360 .436305 .392431 .356628 .326830 .279992 .244769 .217262	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.25953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .307542 .257233 .215981 .181972 .153797 .102197 .046940 .032290 .015618 .007725 .003885	4.706514 4.046568 3.487111 3.011520 2.6606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .4058347 .280292 .219923 .173045 .136510 .107941 .060552 .034339 .011325 .003830 .001319	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .586823 .4964625 .586823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750 .062103 .045617 .021286 .010041 .004779 .002291 .000536 .000128	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660 .008850 .007476 .005229 .007476 .005229 .007476 .005229 .007476 .005229 .003113 .002566 .001894 .001508 .001263	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .6720417 .405088 .317148 2.49760 .197858 .157677 .126406 .101941 .082698 .067480 .05364 .022387 .016147 .011860 .008857 .004547 .002510 .0008857 .004547	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.142428 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .18003 .093843 .074965 .060148 .084467 .039219 .025992 .017493 .011944 .008265 .005791 .002498 .001143 .000248 .000273 .000074	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 514703 397539 307949 239234 186373 .114034 070500 044015 027737 .017634 .005889 .002061 .000752 .000285 .000006
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.9 2.0 2.2 2.4 2.8 3.0 5.0 4.5 5.0 6.0 7.0 6.0 7.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.642204 1.536984 1.442078 1.356280 1.278548 1.207958 1.143713 1.085114 1.031544 .982465 .987403 .895940 .857710 .822385 .789679 .759339 .731137 .704872 .680367 .657462 .615899 .579216 .546632 .517518 .491360 .436305 .392431 .356628 .326830 .279992 .244769	2.948958 2.585707 2.274538 2.006994 1.776111 1.576169 1.402426 1.250953 1.118479 1.002269 .900028 .809827 .730038 .659279 .596375 .540327 .490276 .445491 .405335 .369263 .307542 .257233 .215981 .181972 .153797 .102197 .068870 .046940 .032290 .015618	4.706514 4.046568 3.487111 3.011520 2.606153 2.259748 1.963007 1.708216 1.488955 1.299867 1.136475 .995011 .872312 .765701 .672918 .592043 .521442 .459723 .405698 .358347 .280292 .219923 .173045 .136510 .107412 .006552 .034339 .011325 .003830 .001319	multi 4 6.200679 5.085587 4.186240 3.457601 2.864755 2.380451 1.983331 1.656562 1.386798 1.163423 .977934 .823506 .694625 .566823 .496465 .420583 .356743 .302945 .257539 .219161 .159153 .115965 .084750 .062103 .045617 .021286 .010041 .004779 .002291 .000536	971872 .743532 .572617 .444026 .346762 .272785 .216197 .172656 .138951 .112700 .092126 .075900 .063021 .052732 .044461 .037769 .032320 .027855 .024173 .021120 .016432 .013092 .010660 .008850 .007476 .005229 .003113 .005266 .001894 .001508	4.686921 3.499620 2.625187 1.978727 1.498906 1.141297 .873634 .672400 .520417 .405088 .317148 .249760 .197858 .157677 .126406 .101941 .082698 .055381 .045709 .031654 .022387 .016147 .011860 .008857 .004547 .002510 .001464	3 4.752305 3.543764 2.653750 1.995912 1.507835 1.144289 .872412 .668246 .514278 .397667 .308960 .241182 .189164 .149060 .118003 .093843 .074965 .060148 .048467 .039219 .025992 .017493 .011944 .008265 .005791 .002498 .001143 .0002498 .001273 .000074 .000074	36.250030 26.690310 19.712910 14.605710 10.856460 8.095836 6.056931 4.546398 3.423790 2.586840 1.960859 1.491174 1.137624 870645 668398 .514703 .397539 .307949 .239234 .186373 .114034 .070500 .044015 .027737 .017634 .005889 .002061 .000752 .000265 .000086

TABLE 14 C. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^{999} \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 60$

				WAL GEOMETRI	C FACTORS (
*	1	MILI 2	ET CHANNEL 3	4	1	LOL 2	ET CHANNEL 3	4
	•	4	3	•	•	•	,	7
.1	. 136363	.914330	.713703	13.147950	2.315532	11.287090	11.039140	180.547600
.2 .3	. 125867 . 116445	.797369 .697719	.611903 .525942	10.832820 8.958397	1.722852 1.28 96 05	8.315495 6.155046	8.119304 5.997737	131.902300 96.705880
.4	.107972	.612472	.453125	7.433504	.971531	4.578523	4.450719	71.162960
.5	. 100337	.539258	. 391257	6.187392	.736938	3.423585	3.318426	52.566690
.6 .7	.093445 .087211	.476138 .421527	. 338538 . 293494	5.164846 4.322506	.563060 .433511	2.573969 1. 946 220	2.486414 1.872512	38.982930 29.026190
., .8	.081562	.374114	.254908	3.626140	.336452	1.480253	1.417580	21.701770
.9	.076433	.332814	.221774	3.048554	.263309	1.132699	1.078932	16.293830
1.0 1.1	.071768 .067518	.296727	. 193255	2.568035	.207850	.872156	.825661	12.285\$80 9.303058
1.2	.063638	.265102 .237310	.168657 .147396	2.167175 1.831907	. 165528 . 133015	. 675812 . 527042	. 635327 . 491576	7.074906
1.3	.060090	.212822	. 128984	1.550842	. 107865	.413686	. 382456	5.403520
1.4	.056840	.191190	. 113011	1.314720	.088271	.326818	. 299195	4.144571
1.5 1.6	.053857 .051115	. 172036 . 155039	.099131 .087050	1.115965 .948366	.072894 .060738	.259858 .207936	.235330 .186085	3.192346 2.469091
1.7	.048591	.139924	.076520	.806805	.051055	.167435	.147912	1.917453
1.8	.046263	. 126456	.067328	. 687056	.043286	. 135652	.118166	1.494961
1.9 2.0	.044112	.114433	. 059294 . 052263	. 585620 . 499585	.037004	.110561	.094865 .076518	1.170044
2.2	.042122 .038566	. 103681 . 085406	.040701	. 364422	.031887 .024221	.090635 .061931	.050455	.919158 .5732 88
2.4	.035494	.070651	.031788	.266561	.018916	.043205	.033825	. 362320
2.6	.032824	.058671	. 024892	. 195451	.015146	.030722	.023019	.231762
2.8 3.0	.030491 .028441	.048895 .040879	.019539 .015369	. 143616 . 105729	.012399 .010351	.022229 .016340	.015878 .011085	.149872 .097871
3.5	.024289	.026459	. 008505	.049517	.007076	.008038	.004723	.034979
4.0	.021157	.017394	.004754	.023386	.005234	.004247	.002120	.013036
4.5	.018732	.011585	.002681	.011120	.004101	.002376	.000992	.005017
5.0 6.0	.016812 .013983	.007803 .003639	.001522 .000500	.005317 .001233	.003354 .002452	.001391 .000530	. 000480 . 000122	.001981 .000327
7.0	.012013	.001747	.000168	.000290	.001941	.000223	.000033	.000057
8.0	.010569	.000858	. 000057	.000069	.001618	.000100	.000010	.000011
9.0 10.0	.009468 .008601	.000429 .000218	.000020 .000007	.000017 .000004	.001399 .001243	.000047 .000023	.000003	.000002
			NIDIRECTIONA ET CHANNEL	L GEOMETRIC multi	FACTORS (cm ² ply by 10 ⁻³	•	T CHANNEL	
N	1					•	T CHANNEL 3	4
N .1	1 1.470006	HILI	ET CHANNEL	multi	ply by 10 ⁻³	LOLE		4 49 . 210950
.1 .2	1.470006 1.390431	HILI 2 2.445119 2.179016	3.639398 3.170706	multij 4 4.505936 3.747571	1.063740 .821176	LOLE 2 5.694265 4.322374	3 5.693942 4.316089	49.210950 36.837980
.1 .2 .3	1.470006 1.390431 1.317788	HILI 2 2.445119 2.179016 1.947322	3 .639398 3 .170706 2 .767852	multij 4 4.505936 3.747571 3.127566	1.063740 .821176 .638544	LOLE 2 5.694265 4.322374 3.293577	3 5.693942 4.316089 3.288761	49.210950 36.837980 27.695030
.1 .2 .3	1.470006 1.390431 1.317788 1.251336	2.445119 2.179016 1.947322 1.744818	3 .639398 3 .170706 2 .767852 2 .420649	multij 4 4.505936 3.747571 3.127566 2.618327	1.063740 .821176 .638544 .500245	10LE 2 5.694265 4.322374 3.293577 2.533340	3 5.693942 4.316089 3.288761 2.519225	49.210950 36.837980 27.695030 20.912240
.1 .2 .3 .4 .5	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472	NILI 2 2.445119 2.179016 1.947322 1.744818 1.567192 1.410846	3 . 639398 3 . 170706 2 . 767852 2 . 420649 2 . 120655 1 . 860824	multij 4 4.505936 3.747571 3.127566	1.063740 .821176 .638544	LOLE 2 5.694265 4.322374 3.293577	3 5.693942 4.316089 3.288761	49.210950 36.837980 27.695030
.1 .2 .3 .4 .5 .6	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978	NILI 2 2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788	3 .639398 3 .170706 2 .767852 2 .420649 2 .120655 1 .860824 1 .635275	### 4 . 505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316	1.063740 .821176 .638544 .500245 .394888 .314130 .251835	5.694265 4.322374 3.293577 2.533340 1.956430 1.519824 1.187646	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899
.1 .2 .3 .4 .5 .6	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.439071	4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469	5.694265 4.322374 3.293577 2.533340 1.956430 1.519824 1.187646 .933553	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914540	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242099 7.102089
.1 .2 .3 .4 .5 .6	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978	NILI 2 2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788	3 .639398 3 .170706 2 .767852 2 .420649 2 .120655 1 .860824 1 .635275	### 4 . 505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316	1.063740 .821176 .638544 .500245 .394888 .314130 .251835	5.694265 4.322374 3.293577 2.533340 1.956430 1.519824 1.187646	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091	## 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 949344 807059	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501380 1.169012 .914640 .719320 568875 .451638	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403	3.639398 3.170706 2.767852 2.420649 2.120655 1.8635275 1.439071 1.268057 1.118720 .988091 .873638	## 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 .949344 .807059 .687116	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600	5.694265 4.322374 3.293577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 451638 .360467	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119
.1 .2 .3 .4 .5 .6 .7 .8 .9	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091	## 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 .949344 .807059 .687116 .585790	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527	5.694265 4.322374 3.293577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .719320 .568575 .451638 .360467 .289030	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .913341 .878347 .845778 .815409 .787048	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .945131 .945133 .781403 .712025 .649654 .593472	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306	multij 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 949344 807059 687116 585790 500023 427298	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 649654 .593472	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 988091 .873638 .773209 .684958 .607306 .538897	## 4	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447	5.694265 4.322374 3.297577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242699 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933	3 .639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306 .538897 .478559	## 4 . 505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 949344 807059 687116 585790 500023 427298 365530 312990	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895 .124645	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306 .538897 .478559 .425283 .378194	multij 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 949344 807059 687116 585790 500023 427298 365530 312990 268238 230072	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895 .124645 .101990 .083743	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 5.505994
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788 .383602	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.18720 988091 .873638 .773209 .684958 .684958 .6538897 .478559 .425283 .378194 .336533	multiy 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 949344 807059 .687116 .585790 .500023 .427298 .365530 .312990 .268238 .230272 .197485	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .06349 .056447 .048343 .041671 .036143	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .5869427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .078983	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.509012 .914640 .719320 568575 .451638 .360467 .289030 .232779 1.88272 .152895 .124645 .101990 .063743 .068989	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242699 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788 .383602 .324204	3 .639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.436071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306 .538897 .478559 .425283 .378194 .336533 .266947	## 4	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .09600 .078527 .066349 .056447 .041671 .036143 .031537 .027677	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 1.66330 .137172 .113634 .094542 .078983	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 1.88272 .152895 .124645 .101990 .083743 .068989 .047254	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 405915
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .71325 .690397 .669756 .631933 .598139 .567790	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788 .383602 .324204 .274837 .233624	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.18720 988091 .873638 .773209 .684958 .684958 .6538897 .478559 .425283 .378194 .336533	multiy 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 949344 807059 .687116 .585790 .500023 .427298 .365530 .312990 .268238 .230272 .197485	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .06349 .056447 .048343 .041671 .036143	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .5869427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .078983	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.509012 .914640 .719320 568575 .451638 .360467 .289030 .232779 1.88272 .152895 .124645 .101990 .063743 .068989	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242699 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.8	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933 .598139 .567790	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .958735 .781403 .712025 .649654 .593472 .542770 .496933 .417788 .383602 .324204 .274837 .233624 .199082	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .6847363 .773209 .684958 .664958 .336533 .266947 .212207 .169020 .134858	multiy 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 .949344 .807059 .687116 .585790 .50023 .427298 .365530 .312990 .268238 .230272 .197485 .145802 .107906 .080029 .089029	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .048343 .041671 .031537 .027677 .021670 .017318	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .078983 .055774 .039962 .029018	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895 .124645 .101990 .083743 .068989 .047254 .032731 .022901 .016168	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242699 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .2632699 .172375 .113817
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.8 3.0	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .712325 .690397 .669756 .631933 .598139 .598139 .540400 .515566	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 417788 .383602 .324204 .274837 .233624 .199082 .170028	T CHANNEL 3 3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306 .538897 .478559 .425283 .378194 .336947 .212207 .169020 .134858 .107772	multij 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 .949344 .807059 .687116 .585790 .500023 .427298 .365530 .312990 .268238 .230072 .197485 .145802 .107906 .080029 .0594644 .044256	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .041671 .036143 .031537 .021670 .017318 .011685 .009836	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .078983 .055774 .039962 .029018 .021332 .015863	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .185272 .185285 .124645 .101990 .083743 .063743 .022901 .022901 .016168 .011507	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .263269 .172375 .113817 .075718
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933 .598139 .567790	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .958735 .781403 .712025 .649654 .593472 .542770 .496933 .417788 .383602 .324204 .274837 .233624 .199082	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .6847363 .773209 .684958 .664958 .336533 .266947 .212207 .169020 .134858	multiy 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 .949344 .807059 .687116 .585790 .50023 .427298 .365530 .312990 .268238 .230272 .197485 .145802 .107906 .080029 .089029	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .048343 .041671 .031537 .027677 .021670 .017318	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .078983 .055774 .039962 .029018	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895 .124645 .101990 .083743 .068989 .047254 .032731 .022901 .016168	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242699 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .2632699 .172375 .113817
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933 .598139 .567790 .540400 .515566 .462598 .419701	2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788 .383602 .324204 .274837 .233624 .199082 .170028 .115600 .079411 .055017	3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306 .538897 .478559 .425283 .336533 .266947 .212207 .134858 .107772 .061902 .134858	multij 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 .949344 .807059 .687116 .585790 .500023 .427298 .365530 .312990 .268238 .2430272 .197485 .145802 .107906 .080029 .059464 .044256 .021278 .010304 .005018	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .048343 .041671 .031537 .027677 .021670 .017318 .011685 .009836 .00592	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .07915 .029018 .021332 .015863 .007915 .004181 .002320	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.50912 914640 719320 568575 451638 360467 289030 232779 188272 152895 124645 101990 083743 068989 047254 032731 022901 016168 011507 005072 002319 0001094	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .263269 .172375 .113817 .075718 .0507099 .019077 .007385
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933 .598139 .57790 .540400 .515566 .462598 .419701 .384243	#ILL 2 2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788 .385602 .324204 .274837 .233624 .199082 .170028 .115600 .079411 .055017	T CHANNEL 3 3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 8.73638 .773209 .684958 .607306 .538897 .478559 .425283 .378194 .336533 .266947 .212207 .169020 .134858 .107772 .061905 .035822 .020856 .012205	## 1 til 4	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .048343 .031537 .021670 .017318 .014103 .01685 .009836 .006792 .005036 .003225	5.694265 4.322374 3.299577 2.533340 1.956430 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .079983 .055774 .039962 .029018 .021332 .015863 .007915 .004181 .002320 .001344	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895 .124645 .101990 .085989 .047254 .032731 .022901 .016168 .011507 .005072 .002319 .001094 .000530	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .263269 .172375 .113817 .075718 .050709 .019077 .007385 .002923 .001178
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933 .598139 .567790 .540400 .51566 .462598 .419701 .384243 .354422	#ILL 2 2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .417788 .383602 .324204 .274837 .233624 .170028 .170028 .115600 .079411 .055017 .038386 .019009	T CHANNEL 3 3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306 .538897 .478559 .425283 .378194 .336533 .266947 .212207 .169020 .134858 .107772 .061905 .035822 .020856 .012205 .004233	multij 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 949344 .807059 687116 .585790 .500023 .427298 .365530 .312990 .268238 .230072 .197485 .145802 .107906 .080029 .059464 .044256 .021278 .010304 .005018 .002455	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .048343 .041671 .036143 .031537 .027677 .021670 .017318 .01403 .011685 .009836 .006792 .005036	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .078983 .055774 .039962 .029018 .021332 .015863 .007915 .004181 .002320 .001344	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 914640 719320 568575 451638 360467 289030 232779 188272 152895 124645 101990 083743 068989 047254 032731 022901 016168 015072 002319 001094 000530 000530	49.210950 36.837980 27.695030 20.912240 15.85995030 12.081110 9.242699 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .263269 .172375 .113817 .075718 .050709 .019077 .007385 .002923 .001178
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 6 2.8 3.0 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933 .598139 .567790 .540400 .515566 .462598 .419701 .384243 .354422 .306963 .270774	#ILL 2 2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788 .383602 .324204 .274837 .233624 .170028 .115600 .079411 .035017 .038386 .019009 .099582 .004896	T CHANNEL 3 3.639398 3.170706 2.767852 2.420649 2.120655 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 8.73638 .773209 .684958 .607306 .538897 .478559 .425283 .378194 .336533 .266947 .212207 .169020 .134858 .107772 .061905 .035822 .020856 .012205	## 1 til 4	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .048343 .031537 .021670 .017318 .014103 .01685 .009836 .006792 .005036 .003225	5.694265 4.322374 3.299577 2.533340 1.956430 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .079983 .055774 .039962 .029018 .021332 .015863 .007915 .004181 .002320 .001344	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895 .124645 .101990 .085989 .047254 .032731 .022901 .016168 .011507 .005072 .002319 .001094 .000530	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .263269 .172375 .113817 .075718 .050709 .019077 .007385 .002923 .001178
.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 4.5 5.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.470006 1.390431 1.317788 1.251336 1.190423 1.134472 1.082978 1.035493 .991619 .951006 .913341 .878347 .845778 .815409 .787048 .760516 .735656 .712325 .690397 .669756 .631933 .598139 .567790 .540400 .515566 .462598 .419701 .384243 .354422 .306963	#ILL 2 2.445119 2.179016 1.947322 1.744818 1.567192 1.410846 1.272788 1.150505 1.041881 .945131 .858735 .781403 .712025 .649654 .593472 .542770 .496933 .455429 .417788 .383602 .324204 .274837 .233624 .199082 .170028 .115600 .079411 .055017 .038386 .019009 .009582	T CHANNEL 3 3.639398 3.170706 2.767852 2.420695 1.860824 1.635275 1.439071 1.268057 1.118720 .988091 .873638 .773209 .684958 .607306 .538897 .47559 .425283 .378194 .336533 .266947 .212207 .169020 .134858 .107772 .061905 .035822 .020856 .012205 .004233 .001488	multij 4 4.505936 3.747571 3.127566 2.618327 2.198282 1.850435 1.561316 1.320213 1.118528 .949344 .807059 .687116 .585790 .500023 .427298 .365530 .312990 .268238 .230072 .197485 .145802 .107906 .080029 .059464 .044256 .021278 .010304 .005018 .002455 .000594	1.063740 .821176 .638544 .500245 .394888 .314130 .251835 .203469 .165670 .135932 .112379 .093600 .078527 .066349 .056447 .048343 .041671 .036143 .031537 .027677 .021670 .017318 .011685 .009836 .003225 .003946	5.694265 4.322374 3.299577 2.533340 1.956430 1.519824 1.187646 .933553 .738119 .586973 .469427 .377502 .305216 .248064 .202633 .166330 .137172 .113634 .094542 .078983 .05574 .039962 .029018 .021332 .015863 .007915 .004181 .002320 .001344 .000501	3 5.693942 4.316089 3.288761 2.519225 1.940038 1.501980 1.169012 .914640 .719320 .568575 .451638 .360467 .289030 .232779 .188272 .152895 .124645 .101990 .003743 .068989 .047254 .032731 .022901 .016168 .011507 .00530 .002319 .001094 .000530 .000133 .000036	49.210950 36.837980 27.695030 20.912240 15.859950 12.081110 9.242899 7.102089 5.480421 4.246750 3.304233 2.581119 2.024012 1.593033 1.258296 .997289 .792996 .632512 .505994 .405915 .263269 .172375 .113817 .075718 .050709 .019077 .007385 .002923 .001178 .000200 .000035

TABLE 14 D. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^{999} \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 90$

					L GEOMETRIC	FACTORS (cm ²			
	N	1	MILI 2	ET CHANNEL 3	4	1	£0L 2	ET CHANNEL 3	4
			_	_					
	.1 .2	.134196 .124338	.863331 .757542	. 670088 . 576740	11.956810 9.894026	2.418655 1.798319	12.585230 9.280722	12.248280 9.014510	211.074900 154.433100
	.3	. 115459	. 66692	.497639	8.217236	1.345072	6.876992	6.664150	113.411800
	.4	. 107445 . 100199	. 588968 . 521638	. 430395 . 373051	6.847532 5.723605	1.012480 .767294	5.121864 3.835147	4.949686 3.694263	83.609410 61.885650
	.5 .6	.093633	. 463260	. 324010	4.797482	. 585653	2.887792	2.771260	45.995770
	.7	.087673	.412458	.281952	4.031393	.450385	2.187134	2.089777	34.331100
	.8 .9	.082252 .077312	. 368094 . 329226	.245789 .214620	3.395423 2.865754	.349089 .272790	1.666469 1.277627	1.584371 1.207808	25.735870 19.377810
1	.6	.072802	. 295067	. 187692	2.423295	.214965	. 985717	. 925891	14.655730
	.1	.068677	.264960	. 164379	2.052687 1.741486	. 170 859 . 136 9 93	.765391 .598162	.713782 .553378	11.134240 8.497037
	.2 .3	.064898 .061429	.238351 .214773	. 144154 . 126576	1.479579	.110809	. 470505	.431439	6.513611
1	.4	.058240	. 193830	.111271	1.258703	.090422	. 372481	.338248	5.015416
	.5 .6	.055302 .052593	. 175186 . 158554	.097923 .086264	1.072077 .914121	.074432 .061800	. 296762 . 237920	.266645 .211332	3.878785 3.012686
	.7	. 050089	. 143686	.076065	.780218	.051747	. 191913	. 168370	2.349841
	.8	.047772	. 130371	.067132	. 666545	.043686	.155726	. 134823	1.840346
	.9 .0	.045625 .043631	.118426 .107692	.059298 .052420	.569918 .487681	.037176 .031 88 0	. 127091 . 104298	.108488 .087707	1.447040 1.142149
2	.2	. 040052	.089323	.041053	. 357857	.023961	.071354	. 058087	.719323
	.4	.03 69 42 .034224	.074362 .062113	.032236 .025373	.263254 .194085	.018501 .014638	.049773 .035335	.039099 .026703	.459158 .296678
	.6 .8	.034224	.052040	.020013	. 143366	.011838	.025486	.018475	.193799
3	.0	.029729	.043722	.015816	. 106081	.009765	.018646	.012929	. 127836
	.5 .0	.025430 .022161	.028595 .018953	.008846 .004992	.050276 .024005	.006492 .004694	.009011 .004643	.005525 .002477	.046827 .017865
	.5	.019616	.012704	.002837	.011529	.003617	.002522	.001153	.007028
	.0	.017593	. 008598	.001623	.005564	.002924	.001432	.000552	.002831
	.0	.014603 .012520	.004035 .001944	.000539 .000182	.001312 .000313	.002116 .001674	.000514 .000206	.000136	.000484
8	.0	.010995	.000957	.000063	.000075	.001401	. 000090	.000010	.000016
0	.0	. 009834	.000479	.000022	.000018	.001219	.000041	.000003	.000003
			000243	900000	000004	001089		000001	100000
	.0	.008921	.000243	.000008	,000004	.001089	.000020	.000001	.000001
			DOSE OM	NIDIRECTIONAL	L GEONETRIC	FACTORS (cm²	.000020 MeV)		.000001
			DOSE OM		L GEONETRIC		.000020 MeV)	.000001 ET CHANNEL 3	.000001
	.0 N	.008921	DOSE ON HII 2	NIDIRECTIONAL LET CHANNEL 3	L GEOMETRIC mult	FACTORS (cm ² siply by 10 ⁻³	.000020 MeV) LOLE 2	ET CHANNEL 3	4
	.0	.008921	DOSE ON	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011	4.063295 3.388193	FACTORS (cm ² iply by 10 ⁻³ 1 1.086250 .840223	.000020 MeV) LOLE 2 5.962076 4.547532	T CHANNEL 3 5.920238 4.505674	4 52.634540 39.562400
	.0 N .1 .2	.008921 1 1.432025 1.357881 1.290025	DOSE ON HII 2 2.277564 2.037953 1.828482	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756	4.063295 3.388193 2.834976	FACTORS (cm ² iply by 10 ⁻³ 1 1.086250 .840223 .654696	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340	T CHANNEL 3 5.920238 4.505674 3.447906	4 52.634540 39.562400 29.872790
	.1 .2 .3	.008921 1 1.432025 1.357881 1.290025 1.227795	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714	4.063295 3.388193 2.834976 2.379529	FACTORS (cm² tiply by 10 ⁻³ 1 1.086250 .840223 .654696 .513963	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662	5.920238 4.505674 3.447906 2.653081	4 52.634540 39.562400 29.872790 22.660490
	.0 N .1 .2 .3 .4	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936	DOSE OM HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267	FACTORS (cm² iply by 10 ⁻³ 1 1.086250 .840223 .654696 .513963 .406558 .324066	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197	4 52.634540 39.562400 29.872790 22.669200 17.26,200 13.221510
	.0 N .1 .2 .3 .4 .5 .6	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339	DOSE OM HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750	FACTORS (cm² (iply by 10 ⁻³ 1 .086250 .840223 .654696 .513963 .406558 .324066 .260300	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120
	.0 N .1 .2 .3 .4 .5 .6	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936	DOSE OM HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267	FACTORS (cm² iply by 10 ⁻³ 1 1.086250 .840223 .654696 .513963 .406558 .324066	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197	4 52.634540 39.562400 29.872790 22.669200 17.26,200 13.221510
10	.0 N .1 .2 .3 .4 .5 .6 .7 .8	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668	FACTORS (cm² iply by 10 ⁻³ 1 1.086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900
10	N .1 .2 .3 .4 .5 .6 .7 .8 .9 .0 .1	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262	DOSE OM MII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 .940086	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155	FACTORS (cm² ipply by 10 ⁻³ 1 1.086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 647829 .521516	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 6.617718	52.634540 39.562400 29.872790 22.660490 17.26,200 10.169120 7.856950 6.097624 4.752940 3.720469
10 1 1	.0 N .1 .2 .3 .4 .5 .6 .7 .8	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668	FACTORS (cm² iply by 10 ⁻³ 1 1.086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900
10 1 1 1 1	N .1 .2 .3 .4 .5 .6 .7 .8 .9 .0 .1 .2 .3 .4	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451	DOSE ON MII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.09972 .999364 .909405 .828768 .756323 .691097 .632249	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 .940086 .832865 .738565 .655518	4.063295 3.388193 2.334976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380	FACTORS (cm² iply by 10 ⁻³ 1 1.086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .422147 .333530 .280981	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 617718 .493440 .396069 319386 .258691	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912
10 1 1 1 1	N .1 .2 .3 .4 .5 .6 .7 .8 .9 .0 .1 .2 .3 .4 .5	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 .940086 .832865 .738565	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708	FACTORS (cm² (cm² (cm² (cm² (cm² (cm² (cm² (cm²	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .343530	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414	52.634540 39.562400 29.872790 22.660490 17.26,200 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214
10 11 11 11 11 11	N 1234567	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.0623411 .982791 .944171 .908262 .874817 .843614 .814451 .7871559 .737523	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 .940086 .832865 .738565 .655518 .582284 .517630 .460485	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120	FACTORS (cm² (cm² 1) 1086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035 .058700 .050222 .043226	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .343530 .280981 .2309699 .158167	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.0 N 123456789012345678	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .787154 .761559 .737523 .714921	DOSE ON MII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 .940086 .832865 .73856 .73856 .7	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705	FACTORS (cm² (cm² (cm² (cm² (cm² (cm² (cm² (cm²	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .31736	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .98283 617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.15933 927954 .745079
10 11 11 11 11 11 12 12 12 12 13 14 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	N 1234.567.890.1234.567.890.	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .781559 .737523 .714921 .693630 .673552	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583	NIDIRECTIONAL LET CHANNEL 3 3,384551 2,956011 2,586756 2,267714 1,991359 1,751412 1,542607 1,360523 1,201434 1,062181 940086 832865 738565 655518 582284 517630 460485 409923 3,365145 325452	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021	FACTORS (cm² (cm² (cm² (cm² (cm² (cm² (cm² (cm²	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .101660	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857 .115879 .095652 .079206	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954 .745079 .600019
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N 12.345.67.89.01.2.345.67.89.0.2	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .98262 .874817 .843614 .814451 .787154 .761559 .737523 .714921 .693630 .673552 .636652	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 940086 .832865 .738565 .655518 .582284 .517630 .460485 .409923 .365145 .325452 .258967	4,063295 3,388193 2,834976 2,379529 2,002920 1,690267 1,429750 1,211939 1,029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839	FACTORS (cm² 1 1 .086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035 .058700 .050222 .043226 .037419 .032571 .022561 .022156	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .110160 .092466	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 1.171832 .140857 .115879 .095652 .079206 .054790	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954 .745079 .600019 484556 .318472
10 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	N .12.3.4.56.7.89.0.12.3.4.56.7.89.0.2.4	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .787154 .761559 .737523 .714921 .693630 .673552 .633652	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 .940086 .832865 .738565 .655518 .582284 .517630 .460485 .409923 .365145 .325452 .258967 .206476	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .8465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367	FACTORS (cm² (cm² (cm² (cm² (cm² (cm² (cm² (cm²	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .311736 .110160 .092466 .065839 .047486	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396039 .210414 .171832 .140857 .115879 .095652 .079206 .054790 .038302	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 9.27954 .745079 .600019 4.84555 3.18472 .211284
10 11 11 11 11 11 12 22 22 22 22 22	.0 N 123456789012345678902468	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .781559 .737523 .714921 .693630 .673552 .636652 .636659 .573758	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310 .233110 .199263	NIDIRECTIONAL LET CHANNEL 3 3,384551 2,956011 2,586756 2,267714 1,991359 1,751412 1,542607 1,360523 1,201434 1,062181 940086 832865 738565 655518 582284 517630 460485 409923 3,365145 325452 2,258967 206476 1,164919 1,31939	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367 .076173	FACTORS (cm² iply by 10³ 1 1.086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035 .058700 .050222 .043226 .037419 .032571 .028501 .022156 .017553 .014151	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .110160 .092466 .065839 .047486	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857 .115879 .095652 .079206 .054790 .038302 .027026	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954 .745079 .600019 .484554 .318472 .211284 141337
10 11 11 11 11 12 22 22 22 23	N 123455678901234567890246880	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .908262 .874817 .944171 .908262 .874817 .843614 .814451 .787154 .761559 .737523 .714921 .693630 .673552 .633669 .573758 .546774 .522241	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310 .233110 .199263 .170673	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 940086 .832865 .738565 .655518 .582284 .517630 .460485 .409923 .365145 .325452 .258967 .206476 .164919 .131939 .105707	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367 .076173 .056779 .042387	FACTORS (cm² 1 1 .086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035 .058700 .050222 .043226 .037419 .032571 .028501 .022156 .017553 .014151 .011597 .009649	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .110160 .092466 .005839 .047486 .034649 .025550	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857 .115879 .095652 .079206 .054790 .038302 .027026	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954 .745079 600019 .484554 .318472 .211284 .141337 .095240 .064593
10 11 11 11 11 12 22 22 23 33	.0 N 123456789012345678902468	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .781559 .737523 .714921 .693630 .673552 .636652 .636659 .573758	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310 .233110 .199263	NIDIRECTIONAL LET CHANNEL 3 3,384551 2,956011 2,586756 2,267714 1,991359 1,751412 1,542607 1,360523 1,201434 1,062181 940086 832865 738565 655518 582284 517630 460485 409923 3,365145 325452 2,258967 206476 1,164919 1,31939	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367 .076173	FACTORS (cm² iply by 10³ 1 1.086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035 .058700 .050222 .043226 .037419 .032571 .028501 .022156 .017553 .014151	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .110160 .092466 .065839 .047486	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857 .115879 .095652 .079206 .054790 .038302 .027026	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954 .745079 .600019 .484554 .318472 .211284 141337
10 11 11 11 11 12 22 22 22 23 33 44	N 1234567890123456789024680505	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .781559 .737523 .714921 .693630 .673552 .636652 .603569 .573758 .546774 .522241 .469703 .426951 .391483	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310 .233110 .233110 .233110 .233110 .299263 .170673 .116771 .0806366	NIDIRECTIONAL LET CHANNEL 3 3, 384551 2,956011 2,586756 2,267714 1,991359 1,751412 1,542607 1,360523 1,201434 1,062181 940086 832865 738565 655518 582284 517630 460485 409923 3,65145 3,25452 2,258967 206476 1,164919 1,31939 1,05707 0,61072 0,35521	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367 .076173 .056779 .042387 .020524 .010002 .004899	FACTORS (cm² / cm²	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .110160 .092466 .065839 .047486 .034649 .025550 .019022 .009444 .004914 .002664	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857 .115879 .095652 .079206 .054790 .038302 .027026 .019228 .013781 .006158	4 52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954 .745079 .600019 .484554 .318472 .211284 .141337 .095240 .064593 .025054 .009984 .004062
10 11 11 11 11 12 22 22 23 33 34 44 55	N 12345678901234567890246805050	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .98262 .874817 .944171 .908262 .874817 .843614 .814451 .787154 .761559 .737523 .714921 .693630 .673522 .636652 .603569 .573758 .546774 .522241 .469703 .426951 .391483 .361569	DOSE ON MII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310 .233110 .199263 .170673 .116771 .080636 .056111 .039295	NIDIRECTIONAL LET CHANNEL 3 3.384551 2.956011 2.586756 2.267714 1.991359 1.751412 1.542607 1.360523 1.201434 1.062181 940086 .832865 .738565 .655518 .582284 .517630 .460485 .409923 .365145 .325452 .258967 .206476 .164919 .131939 .105707 .061072 .035521 .020774 .012206	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367 .076173 .056779 .042387 .020524 .010002 .004889	FACTORS (cm² 1 1 .086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035 .058700 .050222 .043226 .037419 .032571 .028501 .022156 .017553 .014151 .011597 .009649 .006468 .003577 .002877	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .110160 .092466 .005839 .047486 .034649 .025550 .019022 .009444 .004914 .002664 .001499	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857 .115879 .095652 .079206 .054790 .038302 .027026 .019228 .013781 .006158	52.634540 39.562400 29.872790 22.660490 17.26,200 13.221510 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 .927954 .745079 600019 .484554 .318472 .211284 .141337 .095240 .064593 .025054 .004062 .001680
10 11 11 11 11 12 22 22 22 23 33 44 45 56	N 1234567890123456789024680505	.008921 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .781559 .737523 .714921 .693630 .673552 .636652 .603569 .573758 .546774 .522241 .469703 .426951 .391483	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310 .233110 .233110 .233110 .233110 .299263 .170673 .116771 .0806366	NIDIRECTIONAL LET CHANNEL 3 3, 384551 2,956011 2,586756 2,267714 1,991359 1,751412 1,542607 1,360523 1,201434 1,062181 940086 832865 738565 655518 582284 517630 460485 409923 3,65145 3,25452 2,258967 206476 1,164919 1,31939 1,05707 0,61072 0,35521	4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367 .076173 .056779 .042387 .020524 .010002 .004899	FACTORS (cm² / cm²	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 647829 .521516 .422147 .343530 .280981 .230943 .190699 .158167 .131736 .110160 .092466 .065839 .047486 .034649 .025550 .019022 .009444 .004914 .002664	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 .493440 .396069 .319386 .258691 .210414 .171832 .140857 .115879 .095652 .079206 .054790 .038302 .027026 .019228 .013781 .006158	4 52.634540 39.562400 29.872790 22.660490 17.26,200 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 927954 745079 600019 .484554 .318472 .211284 .141337 .095240 .064593 .025054 .00984 .004062 .001680 .000299 .000055
10 11 11 11 11 12 22 22 22 23 33 44 55 66 77 88	N 123456789012345678902468050500	.008921 1 1.432025 1.357881 1.290025 1.227795 1.170603 1.117936 1.069339 1.024411 .982791 .944171 .908262 .874817 .843614 .814451 .787154 .761559 .737523 .714921 .693630 .673552 .603569 .573758 .546774 .522241 .469703 .426951 .391483 .361569	DOSE ON HII 2 2.277564 2.037953 1.828482 1.644650 1.482742 1.339651 1.212790 1.099972 .999364 .909405 .828768 .756323 .691097 .632249 .579060 .530899 .487220 .447545 .411456 .378583 .321229 .273310 .199263 .176673 .116771 .080636 .056111 .039295	NIDIRECTIONAL LET CHANNEL 3 3, 384551 2,956011 2,586756 2,267714 1,991359 1,751412 1,542607 1,360523 1,201434 1,062181 940086 ,832865 738565 ,655518 ,582284 ,517630 ,460485 ,409923 3,365145 3,325452 2,258967 2,26476 1,64919 1,31939 1,105707 0,61072 0,35521 0,00774 0,012206 0,004261	4 4.063295 3.388193 2.834976 2.379529 2.002920 1.690267 1.429750 1.211939 1.029280 .875668 .746155 .636708 .544022 .465380 .398537 .341633 .293120 .251705 .216309 .186021 .137839 .102367 .076173 .0956779 .042387 .020524	FACTORS (cm² iply by 10³ 1 1.086250 .840223 .654696 .513963 .406558 .324066 .260300 .210682 .171814 .141161 .116823 .097368 .081714 .069035 .058700 .050222 .043226 .037419 .032571 .028501 .022156 .017553 .014151 .011597 .006468 .004668 .003577 .00268	.000020 MeV) LOLE 2 5.962076 4.547532 3.489340 2.693662 2.092188 1.635025 1.285599 1.016994 .809322 .647829 5.21516 .422147 .343530 .280981 .230943 .190699 .158167 .331736 .110160 .092466 .065839 .047486 .034649 .025550 .019022 .009444 .004914	5.920238 4.505674 3.447906 2.653081 2.052836 1.597197 1.249531 .982838 .777169 .617718 4.93440 .396069 .319386 .258691 .210414 .171832 .140857 .095652 .079206 .054790 .038302 .027026 .013781 .006158 .002841 .001345	4 52.634540 39.562400 29.872790 22.660490 17.26,200 10.169120 7.856950 6.097624 4.752900 3.720469 2.924287 2.307605 1.827912 1.453214 1.159339 927954 745079 600019 484554 318472 211284 141337 095240 064593 025054 009984 004062 001680 000299

TABLE 15 A. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=0$

				L GEOMETRIC	FACTORS (cm²			
ĸ	1	HILI 2	ET CHANNEL 3	4	1	LOLI 2	ET CHANNEL 3	4
				-				•
0.1 0.2	0.151091 0.137205	1.098641 0.930014	0.916981 0.765657	17.852259 14.255917	1.912796 1.417659	7.614168 5.575433	7.296536 5.335260	99.161728 71.952751
0.3	0.124944	0.790520	0.641298	11.434841	1.056555	4.099798	3.916291	52.366695
0.4 0.5	0.114096 0.104478	0.674659 0.578041	0.538763	9.211051 7.449685	0.792141 0.597697	3.028226 2.247367	2.886441 2.136519	38.231525 28.002577
0.6	0.095935	0.497149	0.453948 0.383568	6.048118	0.454053	1.676241	1.588521	20.579409
0.7	0.088329	0.429154	0.324983	4.927927	0.347422	1.256879	1.186593	15.176559
0.8 0.9	0.081545 0.075480	0.371779 0.323176	0.276067 0.235103	4.028804 3.304191	0.267858 0.208167	0.947676 0.718692	0.890659 0.671880	11.232125 8.343287
1.0	0.070048	0.281852	0.200700	2.717973	0.163129	0.548336	0.509455	6.220623
1.1 1.2	0.065171 0.060783	0.246586 0.216383	0.171725 0.147257	2.241992 1.854180	0.128942 0.102828	0.420983 0.325295	0.388335 0.297603	4.655631 3.497 8 01
1.3	0.056827	0.190425	0.126540	1.537182	0.082751	0.253020	0.229313	2.638155
1.4	0.053254	0.168040	0.108955	1.277273	0.067210	0.198130	0.177665	1.997574
1.5 1.6	0.050018 0.047082	0.148674 0.131866	0.093992 0.081231	1.063563 0.887364	0.055096 0.045586	0.156206 0.124000	0.138408 0.108419	1.518469 1.158796
1.7	0.044413	0.117234	0.070323	0.741726	0.038066	0.099111	0.085391	0.887760
1.8 1.9	0.041982 0.039762	0.104460 0.093275	0.060980 0.052961	0.621066 0.520877	0.032075 0.027267	0.079759 0.064619	0.067618 0.053827	0.68274 <i>2</i> 0.527069
2.0	0.037731	0.083456	0.046064	0.437513	0.023380	0.052702	0.043071	0.408413
2.2	0.034159	0.067189	0.034993	0.309970	0.017614	0.035737	0.027994	0.247914
2.4 2.6	0.031135 0.028554	0.054468 0.044431	0.026719 0.020495	0.220714 0.157862	0.013678 0.010915	0.024831 0.017648	0.018541 0.012497	0.152601 0.095174
2.8	0.026336	0.036448	0.015787	0.113357	0.008921	0.012804	0.008559	0.060090
3.0 3.5	0.024416 0.020609	0.030052 0.018913	0.012207 0.006512	0.081690 0.036498	0.007447 0.005110	0.009465 0.004764	0.005948 0.002529	0.038373 0.013068
4.0	0.017811	0.012179	0.003535	0.016567	0.003803	0.002593	0.002329	0.004694
4.5	0.015686	0.007989	0.001946	0.007617	0.002997	0.001495	0.000545	0.001760
5.0 6.0	0.014026 0.011614	0.005320 0.002444	0.001084 0.000346	0.003539 0.000783	0.002463 0.001814	0.000901 0.000358	0.000269 0.000072	0.000684 0.000112
7.0	0.009956	0.001164	0.000114	0.000178	0.001443	0.000154	0.000021	0.000020
8.0 9.0	0.008750 0.007835	0.000569 0.000284	0.000038 0.000013	0.000041 0.000010	0.001209 0.001050	0.000070 0.000033	0.000006 0.000002	0.000004 0.000001
10.0	0.007118	0.000264	0.000013	0.000002	0.000936	0.000016	0.000001	0.000000
		DOSE OM	NIDIRECTIONA	I GEOMETRIC	FACTORS (cm²	NeV)		
		HIL	MIDIRECTIONA ET CHANNEL		FACTORS (cm ² ply by 10 ⁻³	LOLET	CHANNEL	
N	1						CHANNEL 3	4
0.1	1.685392	HIŁI 2 3.078394	4.908322	multi 4 6.608734	ply by 10 ⁻³ 1 0.981888	LOLET 2 4.626752	3 4.638754	33.865219
0.1 0.2	1.685392 1.576156	HIL 2 3.078394 2.684584	4.908322 4.197008	multi 4 6.608734 5.361443	0.981888 0.750421	LOLET 2 4.626752 3.452336	3 4.638754 3.456888	33.865219 24.965544
0.1	1.685392	HIŁI 2 3.078394	4.908322	multi 4 6.608734	ply by 10 ⁻³ 1 0.981888	LOLET 2 4.626752	3 4.638754	33.865219
0.1 0.2 0.3 0.4 0.5	1.685392 1.576156 1.477725 1.388825 1.308354	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601	4.908322 4.197008 3.598252 3.092676 2.664483	multi 4 6.608734 5.361443 4.368064 3.572986 2.933600	0.981888 0.750421 0.577259 0.447056 0.348638	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155	3 4.638754 3.456888 2.587524 1.945619 1.469805	33.865219 24.965544 18.468620 13.711001 10.215858
0.1 0.2 0.3 0.4 0.5	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779	multi 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.685392 1.576156 1.477725 1.388825 1.308354	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601	4.908322 4.197008 3.598252 3.092676 2.664483	multi 4 6.608734 5.361443 4.368064 3.572986 2.933600	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672 0.850996 0.652321	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859	6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.138721	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672 0.850996 0.652321 0.502528	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405	multi 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712	LOLEY 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672 0.850996 0.652321	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.002529 0.956086 0.913381	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.94307 0.811837	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850	6.608734 5.361443 4.368064 3.572986 2.933600 2.447069 1.998004 1.656620 1.377449 1.148329 0.559654 0.803787	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 4,138721 0.112274 0.091570 0.075259	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171	3 4.638754 3.456888 2.587524 1.945619 1.469805 0.652321 0.502528 0.389075 0.302748 0.236754	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.002529 0.956086 0.913381 0.874028	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.1305405 0.993850 0.869203	6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803787 0.674647	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.112274 0.091570 0.075259 0.062330	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.186064	33.865219 24.96544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.00529 0.956086 0.913381 0.874028 0.837686 0.804056	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850 0.869203 0.761280 0.667661	## 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.178429 0.959654 0.803787 0.674647 0.567354 0.477984	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544	3 4.638754 3.456888 2.587524 1.945619 1.45672 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.186064 0.146942 0.116606	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.002529 0.956086 0.913381 0.874028 0.837686 0.804056 0.772871	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.099535 0.904307 0.811837 0.730337 0.658459 0.537735	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850 0.869203 0.761280 0.667661 0.586304	6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.673654 0.803787 0.674647 0.477984 0.403364	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048	LOLEY 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.155544 0.101365	3 4.638754 3.456888 2.587524 1.945619 1.469805 0.652321 0.502528 0.389075 0.302748 0.236754 0.166064 0.166060 0.092969	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.00529 0.956086 0.913381 0.874028 0.837686 0.804056	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850 0.869203 0.761280 0.667661	## 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.178429 0.959654 0.803787 0.674647 0.567354 0.477984	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544	3 4.638754 3.456888 2.587524 1.945619 1.45672 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.186064 0.146942 0.116606	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.09529 0.956086 0.913381 0.874028 0.837686 0.772871 0.743899 0.716931 0.691781	HILL 2 3.078394 2.684584 2.349701 2.063755 1.816601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.558301 0.594459 0.537735 0.487212 0.442110 0.401760	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.49859 1.305405 1.138106 0.993850 0.8667661 0.586304 0.515483 0.453733 0.453733	### 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803787 0.6747354 0.407364 0.407364 0.407364 0.407364 0.288565 0.244576	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.031611 0.027163 0.023503	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227	3 4.638754 3.456888 2.587524 1.945619 1.46985 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.16606 0.052969 0.074465 0.052969	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.244680
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.093142 1.002529 0.956086 0.913381 0.874028 0.837686 0.804056 0.772871 0.743899 0.716931 0.668280	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850 0.869203 0.761280 0.5667661 0.586304 0.515483 0.453733 0.453733 0.352652	6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803787 0.674647 0.567354 0.403364 0.340923 0.288565 0.248576 0.207553	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.031611 0.027163 0.023503 0.023503	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610	3 4.638754 3.456888 2.587524 1.945619 1.469805 0.652321 0.502528 0.389075 0.302748 0.236754 0.1866064 0.146942 0.116606 0.052969 0.074465 0.059911 0.048411 0.039283	33.865219 24.96544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.312168 0.244680 0.192386
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.002529 0.956086 0.913381 0.874028 0.837686 0.804056 0.772871 0.743899 0.716931 0.691781 0.668280 0.625662 0.588074	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585 0.303852 0.253692	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.93850 0.869203 0.761280 0.667661 0.586304 0.515483 0.453733 0.399809 0.352652 0.275146 0.215415	### 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.48329 0.959654 0.803787 0.674647 0.567354 0.477984 0.403364 0.340923 0.288565 0.244576 0.207553 0.149986 0.108832	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.037048 0.031611 0.027163 0.023503 0.020473 0.015835 0.012544	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339	3 4.638754 3.456888 2.587524 1.945619 1.46969 1.115672 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.146942 0.116606 0.092969 0.074465 0.059911 0.048411 0.039283 0.026178 0.017709	33.865219 24.96544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.244680 0.192386 0.120019 0.075726
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.09529 0.956086 0.913381 0.874028 0.837686 0.772871 0.743899 0.716931 0.691781 0.668280 0.625662 0.588074 0.554709	HILL 2 3.078394 2.684584 2.349701 2.063755 1.816601 1.607600 1.425301 1.267222 1.1267656 1.009535 0.904307 0.811837 0.73037 0.558301 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585 0.303852 0.253692 0.212674	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.49859 1.305405 1.138106 0.993850 0.8667661 0.586304 0.515483 0.453733 0.453733 0.399809 0.352652 0.275146 0.215415 0.169175	## 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803787 0.674647 0.477984 0.403364 0.403364 0.40326 0.207553 0.244576 0.207553 0.108832 0.079255	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 8.138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.031611 0.027163 0.023503 0.020473 0.015835 0.012544 0.010158	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339 0.016086	3 4.638754 3.456888 2.587524 1.945619 1.46962 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.146942 0.116606 0.092969 0.074465 0.052969 0.074461 0.039283 0.026178 0.017709 0.012146	33.865219 24.96544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.244680 0.192386 0.120019 0.075726 0.048283
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.002529 0.956086 0.913381 0.874028 0.837686 0.804056 0.772871 0.743899 0.716931 0.691781 0.668280 0.625662 0.588074	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585 0.303852 0.253692	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.93850 0.869203 0.761280 0.667661 0.586304 0.515483 0.453733 0.399809 0.352652 0.275146 0.215415	### 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.48329 0.959654 0.803787 0.674647 0.567354 0.477984 0.403364 0.340923 0.288565 0.244576 0.207553 0.149986 0.108832	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.037048 0.031611 0.027163 0.023503 0.020473 0.015835 0.012544	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339	3 4.638754 3.456888 2.587524 1.945619 1.46969 1.115672 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.146942 0.116606 0.092969 0.074465 0.059911 0.048411 0.039283 0.026178 0.017709	33.865219 24.96544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.244680 0.192386 0.120019 0.075726
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.002529 0.956086 0.913381 0.874028 0.837686 0.804056 0.772871 0.743899 0.716931 0.668280 0.655662 0.558074 0.554709 0.554709 0.554709 0.524916 0.448163 0.441907	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585 0.303852 0.253692 0.212674 0.178937 0.151044 0.100107	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850 0.869203 0.761280 0.667661 0.586304 0.515483 0.453733 0.399809 0.352652 0.275146 0.215415 0.169175 0.133231 0.105189 0.058823	multi 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803787 0.674647 0.567354 0.477984 0.403364 0.340923 0.288565 0.244576 0.207553 0.149986 0.108832 0.079255 0.057901 0.042421 0.019697	ply by 10 ⁻³ 1 0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 a_138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.031611 0.027163 0.023503 0.020473 0.015835 0.012544 0.0101583 0.008392 0.007058	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339 0.016086 0.01783 0.008767 0.008767	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.186064 0.146942 0.116606 0.092969 0.074465 0.059911 0.048411 0.039283 0.026178 0.017709 0.012146 0.008437 0.005929 0.002565	33.865219 24.96544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.244680 0.192386 0.120019 0.075726 0.048283 0.031084 0.020189 0.007103
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8 3.0 3.5	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.002529 0.956086 0.913381 0.874028 0.837686 0.772871 0.743899 0.716931 0.691781 0.668280 0.625662 0.588074 0.524916 0.498163 0.441907 0.397133	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.1267222 1.1267566 1.009535 0.904307 0.811837 0.730337 0.558401 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585 0.303852 0.253692 0.212674 0.178937 0.151044 0.100107 0.067324	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.49405 1.305405 1.138106 0.993850 0.869203 0.761280 0.667661 0.586304 0.515483 0.453733 0.399809 0.352652 0.275416 0.215415 0.169175 0.133231 0.10518823 0.058823 0.033273	## 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803767 0.674647 0.477984 0.403364 0.40923 0.288565 0.244576 0.207553 0.149882 0.079255 0.057901 0.042421 0.019697 0.009259	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 8.138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.031611 0.027163 0.023633 0.020473 0.01583 0.012544 0.010158 0.004892 0.004892 0.004892 0.004895	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339 0.016086 0.011783 0.008767 0.004445 0.002419	3 4.638754 3.456888 2.587524 1.945619 1.46962 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.146942 0.116606 0.092969 0.074465 0.052969 0.074465 0.052969 0.074465 0.052969 0.07465 0.052969 0.07465 0.052969 0.07465 0.052969 0.07465 0.052969 0.07465 0.052969 0.07465 0.052969 0.07465 0.052969 0.07465 0.052969 0.07465	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.312168 0.120019 0.075726 0.048283 0.031084 0.020189 0.007103 0.002605
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 1.9 2.2 2.4 2.6 3.5 4.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.003529 0.956086 0.913381 0.874028 0.837686 0.804056 0.772871 0.743899 0.716931 0.661781 0.668280 0.625662 0.588074 0.554709 0.554709 0.554916 0.441907 0.397133 0.360637 0.330293	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585 0.303852 0.253692 0.212674 0.178937 0.178937 0.178937 0.178937 0.178937 0.067324 0.045812 0.031474	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850 0.869203 0.761280 0.667661 0.586304 0.515483 0.453733 0.399809 0.35275146 0.215415 0.169175 0.133231 0.105189 0.058823 0.03273	### 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803787 0.674647 0.567354 0.477984 0.403364 0.340923 0.288565 0.244576 0.207553 0.149986 0.108832 0.079255 0.057901 0.042421 0.019697 0.009259 0.004395 0.002103	ply by 10 ⁻³ 1 0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037631 0.027163 0.023753 0.012544 0.01015835 0.012544 0.01015835 0.012544 0.0016580 0.004892 0.003656 0.002375	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339 0.016086 0.011783 0.002419 0.004445 0.002419 0.0001391 0.000834	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672 0.850996 0.652321 9.502528 0.389075 0.302748 0.136754 0.166064 0.052969 0.07465 0.059911 0.048411 0.039283 0.026178 0.012709 0.012146 0.00597 0.00597 0.00597	33.865219 24.96544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.6661284 0.513149 0.399568 0.312168 0.244680 0.192386 0.120019 0.075726 0.048283 0.031084 0.020189 0.007103 0.002605 0.000989 0.000386
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.6 3.5 4.0 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.053142 1.002529 0.956086 0.913381 0.874028 0.837686 0.772871 0.743899 0.716931 0.668280 0.625662 0.588074 0.524916 0.498163 0.441907 0.397133 0.360637 0.330293 0.282663	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.730337 0.658301 0.594459 0.537735 0.487212 0.401760 0.365585 0.303852 0.212674 0.178937 0.151044 0.100107 0.067324 0.045812 0.031474 0.015199	4.908322 4.197008 3.598252 3.092676 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.993850 0.869203 0.761280 0.667661 0.586304 0.515483 0.453733 0.399809 0.352652 0.275146 0.215415 0.169175 0.133231 0.109189 0.058823 0.033273 0.0189969 0.010929 0.003684	### 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.48329 0.959654 0.803787 0.674647 0.477984 0.403364 0.403364 0.340923 0.288565 0.244576 0.207553 0.149936 0.108832 0.079255 0.057901 0.042421 0.019697 0.009259 0.004395 0.002103 0.000491	ply by 10 ⁻³ 1 0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 a_138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.031611 0.027163 0.023503 0.020473 0.015835 0.012544 0.010158 0.008392 0.007058 0.004892 0.007058 0.002875 0.002375	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339 0.016086 0.011783 0.008767 0.004445 0.002419 0.000330	3 4.638754 3.456888 2.587524 1.945619 1.469805 1.115672 0.850996 0.652321 0.502528 0.389075 0.302748 0.136064 0.146942 0.116606 0.092969 0.074465 0.059911 0.048411 0.039283 0.0276178 0.012146 0.008437 0.008437 0.00557 0.000557 0.000275 0.000072	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.120019 0.075726 0.048283 0.031084 0.020189 0.000386 0.000063
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 4.5 6.0 7.0 6.0 7.0 6.0 7.0 6.0 7.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.002529 0.956086 0.913381 0.874028 0.837686 0.804056 0.772871 0.743899 0.716931 0.668280 0.625662 0.588074 0.554709 0.524916 0.441907 0.330293 0.300637 0.330293 0.282663 0.246901 0.219009	HILL 2 3.078394 2.684584 2.349701 2.065755 1.818601 1.607600 1.425301 1.267222 1.129656 1.009535 0.904307 0.811837 0.730337 0.658301 0.594459 0.537735 0.487212 0.442110 0.401760 0.365585 0.303852 0.253692 0.212674 0.178937 0.151044 0.100107 0.067324 0.045812 0.045812 0.045812 0.003778	4.908322 4.197008 3.598252 3.096276 2.664483 2.300779 1.990987 1.726405 1.499859 1.305405 1.138106 0.99859 0.667661 0.586304 0.515483 0.453733 0.39809 0.453733 0.39809 0.275146 0.215415 0.169175 0.169175 0.169175 0.105189 0.058823 0.03273 0.010929 0.003684 0.001266 0.001266	### 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803787 0.674647 0.567354 0.407384 0.403364 0.340923 0.288565 0.244576 0.207553 0.14986 0.108832 0.079255 0.057901 0.042421 0.019697 0.009259 0.004395 0.000491 0.0000491 0.000028	ply by 10 ⁻³ 1 0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 4,138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.031611 0.027163 0.02373 0.015835 0.012544 0.0015835 0.012544 0.0015835 0.002886 0.002375 0.002375 0.001754 0.001400 0.001177	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.05227 0.045610 0.031603 0.022339 0.016086 0.011783 0.002445 0.004445 0.004445 0.004449 0.001391 0.000834 0.000330 0.000142 0.000064	3 4.638754 3.456888 2.587524 1.945619 1.469805 0.652321 0.502528 0.389975 0.302748 0.236754 0.1866064 0.166606 0.092969 0.074465 0.16606 0.092969 0.074465 0.059911 0.048411 0.039283 0.025178 0.017709 0.012146 0.008437 0.005929 0.002565 0.001170 0.002557 0.000072	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.661284 0.513149 0.399568 0.312168 0.244680 0.192386 0.120019 0.075726 0.048283 0.031084 0.020189 0.007103 0.002605 0.000989 0.000989 0.000980
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.6 3.0 4.5 5.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	1.685392 1.576156 1.477725 1.388825 1.308354 1.235340 1.168942 1.108425 1.0956086 0.913381 0.874028 0.837686 0.913381 0.874028 0.837686 0.772871 0.743899 0.716931 0.668280 0.625662 0.588074 0.554709 0.524916 0.498163 0.441907 0.397133 0.360637 0.330293 0.282663 0.246901	HILL 2 3.078394 2.684584 2.349701 2.063755 1.818601 1.607600 1.425301 1.267222 1.1267222 1.126735 0.904307 0.811837 0.73037 0.537735 0.487212 0.442110 0.401760 0.365585 0.305585 0.305585 0.253692 0.212674 0.178937 0.151044 0.100107 0.067324 0.045812 0.031474 0.015199 0.007512	4.908322 4.197008 3.598252 3.092676 2.6664483 2.300779 1.990987 1.726405 1.49859 1.305405 1.138106 0.993850 0.866203 0.761280 0.667661 0.586304 0.515483 0.453733 0.399809 0.352652 0.275146 0.215415 0.169175 0.133231 0.105189 0.038823 0.033273 0.018996 0.010926	## 4 6.608734 5.361443 4.368064 3.572986 2.933600 2.417069 1.998004 1.656620 1.377449 1.148329 0.959654 0.803767 0.674647 0.477984 0.403364 0.407985 0.244576 0.207553 0.149882 0.079255 0.057901 0.042421 0.019697 0.009259 0.004395 0.002103 0.000117	0.981888 0.750421 0.577259 0.447056 0.348638 0.273837 0.216665 0.172712 8.138721 0.112274 0.091570 0.075259 0.062330 0.052016 0.043737 0.037048 0.031611 0.027163 0.020473 0.015835 0.012544 0.010158 0.008392 0.004892 0.004892 0.002866 0.002875 0.001754 0.001754	LOLET 2 4.626752 3.452336 2.598371 1.950307 1.477155 1.124789 0.861209 0.663133 0.513568 0.400078 0.313524 0.247171 0.196034 0.156412 0.125544 0.101365 0.082320 0.067238 0.055227 0.045610 0.031603 0.022339 0.016086 0.011783 0.002419 0.001391 0.000330 0.000142	3 4.638754 3.456888 2.587524 1.945619 1.46985 1.115672 0.850996 0.652321 0.502528 0.389075 0.302748 0.236754 0.186942 0.116606 0.092969 0.074465 0.092969 0.074465 0.092969 0.012146 0.008437 0.00557 0.000275 0.0000272 0.000021	33.865219 24.965544 18.468620 13.711001 10.215858 7.639718 5.734509 4.320612 3.267618 2.480596 1.890231 1.445762 1.109903 0.855181 0.6651284 0.513149 0.399568 0.312168 0.120019 0.075726 0.048283 0.031084 0.020189 0.007103 0.002605 0.000989 0.000386 0.000063

TABLE 15 B. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=15$

				L GEOMETRIC	FACTORS (cm²			
N	1	NIL 2	ET CHANNEL 3	4	1	10(2	LET CHANNEL 3	4
		_		_				
0.1 0.2	0.141249 0.128700	0.994987 0.848908	0.818743 0.6886.6	16.715986 13.423070	1.923925 1.427 8 90	7.936193 5.821327	7.624091 5.584041	106.643364 77.472252
0.3	0.117586	0.727059	0.580831	10.824770	1.065832	4.288581	4.106179	56.454971
0.4	0.107724	0.625026	0.491264	8.764715	0.800477	3.173962	3.032113	41.272068
0.5 0.6	0.098955 0.091141	0.539255 0.466881	0.416613 0.354210	7.123784 5.810897	0.605143 0.460676	2.360494 1.764545	2.248835 1.675549	30.273476 22.282738
0.7	0.084164	0.405581	0.334210	4.755981	0.353299	1.326190	1.254370	16.459732
0.8	0.077923	0.353471	0.257907	3.904907	0.273067	1.002378	0.943699	12.203023
0.9 1.0	0.072327 0.067299	0.309014 0.270952	0.220825 0.189480	3.215631 2.655353	0.2127 84 0.167221	0.762102 0.582971	0.713591 0.542411	9.081151 6.783848
1.1	0.062773	0.238254	0.162918	2.198369	0.132574	0.448764	0.414496	5.087434
1.2	0.058689	0.210070	0.140352	1.824423	0.106056	0.347694	0.318463	3.830279
1.3 1.4	0.054998 0.051653	0.185701 0.164564	0.121137 0.104738	1.517495 1.264852	0.085624 0.069773	0.271173 0.212914	0.246020 0.191101	2.895238 2.197190
1.5	0.048617	0.146175	0.090711	1.056339	0.057388	0.168306	0.149259	1.674094
1.6	0.045855	0.130131	0.078689	0.883813	0.047640	0.133949	0.117216	1.280603
1.7 1.8	0.043337 0.041038	0.116095 0.103782	0.068364 0.059480	0.740728 0.621802	0.039911 0.033738	0.107328 0.086576	0.092550 C.073464	0.983451 0.758207
1.9	0.038934	0.092953	0.051822	0.522749	0.028769	0.070300	0.058618	0.586787
2.0	0.037004	0.083406	0.045209	0.440091	0.024740	0.057454	0.047011	0.455830
2.2 2.4	0.033599 0.030703	0.067498 0.054968	0.034534 0.026499	0.313125 0.223827	0.018740 0.014620	0.039103	0.030682	0.278093
2.6	0.030703	0.045019	0.020433	0.160656	0.014820	0.027251 0.019412	0.020396 0.013791	0.172033 0.107818
2.8	0.026083	0.037062	0.015791	0.115739	0.009601	0.014106	0.009470	0.068395
3.0	0.024224	0.030654	0.012255	0.083656	0.008033	0.010437	0.006595	0.043873
3.5 4.0	0.020521 0.017781	0.019414 0.012562	0.006587 0.003598	0.037621 0.017170	0.005532 0.004123	0.005256 0.002857	0.002813 0.001276	0.015094 0.005467
4.5	0.015690	0.008270	0.001991	0.007931	0.003250	0.001644	0.000607	0.002063
5.0	0.014051	0.005523	0.001113	0.003699	0.002669	0.000988	0.000299	0.000806
6.0 7.0	0.011658 0.010006	0.002547 0.001216	0.000358 0.000118	0.000824 0.000188	0.001962 0.001557	0.000391 0.000168	0.000079 0.000023	0.000133 0.000024
8.0	0.008801	0.000595	0.000040	0.000044	0.001300	0.000076	0.000023	0.000005
9.0	0.007885	0.000297	0.000014	0.000010	0.001126	0.000036	0.000002	0.000001
10.0	0.007165	0.000151	0.000005	0.000002	0.001001	0.000017	0.000001	0.000000
			MNIDIRECTION LET CHANNEL		FACTORS (cm ²		ET CHANNEL	
	1						ET CHANNEL 3	4
N 0.1	1 1.565452	HI	LET CHANNEL	mult	iply by 10^{-3}	LOL		4 35.232994
0.1 0.2	1.565452 1.467371	HII 2 2.758240 2.419894	4.330273 3.722719	mult 4 6.055301 4.939718	iply by 10 ⁻³ 1 0.957651 0.733800	LOL 2 4.613540 3.456588	3 4.622008 3.458261	35.232994 26.032505
0.1 0.2 0.3	1.565452 1.467371 1.378784	2.758240 2.419894 2.130182	4.330273 3.722719 3.208066	#ult 4 6.055301 4.939718 4.045737	1019 by 10 ⁻³ 1 0.957651 0.733800 0.566078	LOL 2 4.613540 3.456588 2.602652	3 4.622008 3.458261 2.599381	35.232994 26.032505 19.303762
0.1 0.2	1.565452 1.467371	HII 2 2.758240 2.419894	4.330273 3.722719	mult 4 6.055301 4.939718	iply by 10 ⁻³ 1 0.957651 0.733800	LOL 2 4.613540 3.456588	3 4.622008 3.458261	35.232994 26.032505
0.1 0.2 0.3 0.4 0.5 0.6	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378	2.758240 2.419894 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644	mult 4 6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974	1 0.957651 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640 0.882173	3 4.622008 3.458261 2.599381 1.96299 1.489555 1.135834 0.870411	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692	mult 4 6.055301 4.939718 4.045737 3.325916 2.743693 2.2743693 1.884974 1.569126	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.947631	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745	6.055301 4.939718 4.045737 3.3253693 2.270739 1.884974 1.569126 1.309588 1.095604	1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994	LOL 2 4.613540 3.456588 2.602652 1.969793 1.49640 0.882173 0.682597 0.531248 0.415891	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983 3.472783 2.644580
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.565452 1.467371 1.378784 1.298593 1.225835 1.156675 1.099378 1.044303 0.993885 0.947631 0.905106	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.172380 0.139022 0.112994 0.092556	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983 3.472783 2.6244580 2.021628
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198687 0.918736	6.055301 4.939718 4.045737 3.325916 2.743693 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.112994 0.076404	LOL 2 4.613540 3.456588 2.602652 1.969793 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944	35, 232994 26, 032505 19, 303762 14, 366891 10, 732621 8, 048138 6, 058262 4, 577983 3, 472783 2, 644580 2, 021628 1, 551301
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.565452 1.467371 1.378784 1.298593 1.225835 1.156675 1.099378 1.044303 0.993885 0.947631 0.905106	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.172380 0.139022 0.112994 0.092556	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759	35.232994 26.032505 19.303762 14.368891 10.732621 8.048138 6.058262 4.577983 3.472783 2.644580 2.021628 1.551301 1.154869 0.923731
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.997631 0.905106 0.865925 0.829751 0.765263	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 6.918736 0.805982 0.707973 0.622637	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987	LOL 2 4.613540 3.456588 2.602652 1.969793 1.446640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.335834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983 3.472783 2.644580 2.021628 1.551301 1.194869 9.23731 0.716707
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.3 1.4	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918 0.513339	4.330273 3.722719 3.208066 2.770837 2.398046 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789 0.391499	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.063557 0.053272 0.053272 0.044987 0.038268	LOL 2 4.613540 3.456588 2.602652 1.969793 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.123781 0.099111	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 6. 058262 4. 577983 3. 472783 2. 644580 0. 923731 1. 194869 0. 923731 0. 716707 0. 558048
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.997631 0.905106 0.865925 0.829751 0.765263	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 6.918736 0.805982 0.707973 0.622637	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789	1ply by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987	LOL 2 4.613540 3.456588 2.602652 1.969793 1.446640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.335834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983 3.472783 2.644580 2.021628 1.551301 1.194869 9.23731 0.716707
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.997631 0.905106 0.865925 0.829751 0.795287 0.765263 0.736449 0.703635 0.664635	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.565918 0.513339 0.466334 0.424221 0.386417	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.426340 0.376530	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789 0.391499 0.331660 0.281337 0.238943	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.172380 0.13994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.032786 0.028284 0.024566	LOL 2 4.613540 3.456588 2.602652 1.969793 1.446840 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.079711 0.064385 0.052222	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 2. 624580 2. 021628 1. 551301 1. 194869 0. 923731 0. 716707 0. 558048 0. 436008 0. 341798 0. 268812
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.70,635 0.684635 0.661284 0.639436	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.845965 0.765701 0.691093 0.624860 0.513339 0.466334 0.424221 0.386417 0.352417	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.426340 0.426340 0.376530 0.332843	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.391499 0.331660 0.281337 0.238943 0.203169	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.024566 0.024566	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049463	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.195759 0.123781 0.099111 0.079711 0.064385 0.052222 0.042527	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 2. 624580 2. 021628 1. 551301 1. 194869 0. 923731 0. 716707 0. 558048 0. 436008 0. 341798 0. 268812 0. 212073
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.70 /635 0.661284 0.639436 0.599730 0.564619	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918 0.513339 0.466334 0.424221 0.386417 0.352417 0.294135 0.246515	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.426340 0.376530 0.332843 0.260750 0.204907	6.055301 4.939718 4.045737 3.255363 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.547894 0.462789 0.391499 0.391499 0.281337 0.281337 0.281337 0.281337 0.203169 0.147349 0.107267	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.038268 0.038284 0.024566 0.021475 0.016718 0.013318	LOL 2 4.613540 3.456588 2.602652 1.969793 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.226744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049463 0.034472 0.024482	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.079711 0.064385 0.052222 0.042527 0.028527 0.028527	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983 3.472783 2.644580 2.021628 0.923731 0.716707 0.558048 0.436008 0.341798 0.268812 0.212073 0.084574
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.70,635 0.684635 0.661284 0.639436 0.559730 0.564619 0.533380	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.69193 0.565918 0.513339 0.466344 0.424221 0.386417 0.352417 0.352417 0.294135 0.246515 0.207376	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.426340 0.376530 0.332843 0.260750 0.204907 0.161475	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789 0.391499 0.331660 0.281337 0.238943 0.203169 0.147349 0.107267 0.078347	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.172380 0.13994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.032786 0.024266 0.021475 0.016718 0.013318 0.010835	LOL 2 4.613540 3.456588 2.602652 1.969793 1.446640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049463 0.034472 0.024482 0.017695	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.335834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.064385 0.052222 0.042527 0.028527 0.013379	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983 3.472783 2.644580 2.021628 1.551301 1.194869 0.923731 0.716707 0.558048 0.436008 0.434798 0.268812 0.212073 0.133180 0.133180 0.054261
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.4	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.70,4635 0.684635 0.661284 0.599730 0.564619 0.533380 0.505425	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918 0.513339 0.466334 0.424221 0.386417 0.352417 0.294135 0.246515 0.27376 0.175035	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.57692 1.372372 1.198745 1.048687 0.805982 0.707973 0.622637 0.486340 0.426340 0.426340 0.3732843 0.260750 0.204907 0.161475 0.127571	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789 0.331660 0.281337 0.281337 0.283169 0.147349 0.107267 0.078347 0.057392	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.024566 0.021475 0.016718 0.013318 0.010835 0.008985	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049463 0.034472 0.024482 0.024482 0.024482 0.024997	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.195759 0.123781 0.099111 0.079711 0.064385 0.052222 0.042527 0.028527 0.013379 0.013379 0.009332	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 6. 058262 4. 577983 3. 472783 2. 644580 0. 221628 1. 551301 1. 194869 0. 923731 0. 716707 0. 558048 0. 436008 0. 341798 0. 268812 0. 212073 0. 133180 0. 084574 0. 054261 0. 035142
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5	1.565452 1.467371 1.378784 1.298593 1.225835 1.15675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.703635 0.661284 0.639436 0.593436 0.593436 0.593436 0.593436 0.593436 0.593436	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918 0.513339 0.466334 0.424221 0.386417 0.352417 0.352417 0.294135 0.246515 0.207376 0.175035 0.148184 0.098842	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.376530 0.332843 0.260750 0.204907 0.161475 0.101016 0.056857	6.055301 4.939718 4.045737 3.2573693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.547894 0.462789 0.391499 0.331660 0.281337 0.281337 0.281337 0.281337 0.147349 0.107267 0.078347 0.057392 0.042152	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.028284 0.024566 0.028284 0.024566 0.021475 0.016718 0.013318 0.010835 0.008985 0.007579 0.005279	LOL 2 4.613540 3.456588 2.602652 1.969793 1.446640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049463 0.034472 0.024482 0.017695	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.335834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.064385 0.052222 0.042527 0.028527 0.013379	35.232994 26.032505 19.303762 14.366891 10.732621 8.048138 6.058262 4.577983 3.472783 2.644580 2.021628 1.551301 1.194869 0.716707 0.558048 0.434708 0.268812 0.212073 0.133180 0.133180 0.135142 0.054261 0.054261 0.035142 0.022956 0.008182
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 3.5	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.70,635 0.661284 0.639436 0.599730 0.564619 0.505425 0.480272 0.427221 0.384837	2.758240 2.419894 2.130182 1.881141 1.66242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.69193 0.565918 0.513339 0.466334 0.424221 0.386417 0.352417 0.294135 0.246515 0.27376 0.175035 0.148184 0.098842 0.096829	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.4823204 0.376530 0.332843 0.26750 0.204907 0.161475 0.127571 0.101016 0.056857 0.032339	6.055301 4.939718 4.045737 3.325162 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789 0.331660 0.281337 0.23169 0.147349 0.107267 0.077392 0.057392 0.077392	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.132994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.028284 0.024566 0.021475 0.016718 0.016318 0.010835 0.008985 0.005279 0.003952	LOL 2 4.613540 3.456588 2.602652 1.969793 1.498773 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049463 0.034472 0.02482 0.017695 0.012997 0.009689 0.004922 0.002676	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.335834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.064385 0.052222 0.042527 0.028527 0.013379 0.009332 0.006581 0.002865 0.001311	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 2. 624580 2. 021628 1. 551301 1. 194869 0. 923731 0. 716707 0. 558048 0. 436008 0. 341798 0. 262812 0. 212073 0. 133180 0. 054261 0. 035142 0. 022956 0. 008182 0. 003034
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.5	1.565452 1.467371 1.378784 1.298593 1.225835 1.159675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.765263 0.736449 0.70 /635 0.684635 0.661284 0.639436 0.599730 0.565425 0.480272 0.480272 0.480272 0.480272	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918 0.513339 0.466334 0.424221 0.386417 0.294135 0.246515 0.27376 0.175035 0.148184 0.098842 0.066829 0.045681	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.805982 0.707973 0.622637 0.548212 0.483204 0.426340 0.3762843 0.260750 0.204907 0.161475 0.101016 0.0582339 0.018552	6.055301 4.939718 4.045737 3.325916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789 0.391499 0.331660 0.281337 0.289343 0.147349 0.147349 0.107267 0.078347 0.057392 0.042152 0.019677 0.009291 0.004427	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.04987 0.028284 0.024566 0.024575 0.016718 0.01318 0.010835 0.008985 0.007579 0.005279 0.003952	LOL 2 4.613540 3.456588 2.602652 1.969793 1.4988773 1.146640 0.882173 0.682597 0.531248 0.415891 0.2759447 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049630 0.034472 0.024822 0.017695 0.012997 0.0096899 0.004922 0.002676 0.001574	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.125299 0.123781 0.099111 0.079711 0.064385 0.052222 0.042527 0.028527 0.019409 0.013379 0.009332 0.006581 0.002865 0.001311 0.000624	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 6. 058262 4. 577983 3. 472783 2. 644580 0. 223731 0. 716707 0. 558048 0. 436008 0. 341798 0. 268812 0. 212073 0. 133180 0. 084574 0. 054261 0. 022956 0. 0031842 0. 002956
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 4.5 5.0 6.0	1.565452 1.467371 1.378784 1.298593 1.225835 1.15675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.703635 0.661284 0.639436 0.593436 0.595425 0.480272 0.427221 0.384837 0.350181 0.321290 0.275791	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918 0.513339 0.466334 0.424221 0.386417 0.352417 0.352417 0.294135 0.246515 0.207376 0.175035 0.148184 0.098842 0.066829 0.045681 0.031506 0.015309	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.376530 0.332843 0.260750 0.204907 0.161475 0.1027571 0.101016 0.056857 0.032339 0.018552 0.010718 0.003639	6.055301 4.939718 4.045737 3.255916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.462789 0.391499 0.331660 0.281337 0.281337 0.281337 0.281337 0.147349 0.107267 0.078347 0.057392 0.042152 0.019677 0.009291 0.000427 0.000427	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.028284 0.024566 0.021475 0.016718 0.013318 0.010835 0.008985 0.007579 0.005279 0.003220 0.003122 0.003122 0.002568	LOL 2 4.613540 3.456588 2.602652 1.698773 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.256744 0.165715 0.133602 0.1083331 0.072421 0.059696 0.049463 0.034472 0.024482 0.017695 0.012997 0.009689 0.004922 0.002676 0.001574 0.000361	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.079711 0.064385 0.052222 0.042527 0.028527 0.028527 0.013409 0.013379 0.006581 0.002865 0.001311 0.0006281 0.0006281 0.0006281	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 6. 058262 4. 577983 3. 472783 2. 644580 2. 021628 1. 551301 1. 194869 0. 21628 0. 716707 0. 558048 0. 436008 0. 434798 0. 268812 0. 212073 0. 133180 0. 133180 0. 035142 0. 022956 0. 003034 0. 001162 0. 0000457 0. 000076
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 5.0 6.0 7.0	1.565452 1.467371 1.378784 1.298593 1.225835 1.15675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.70,635 0.661284 0.639436 0.599730 0.564619 0.533380 0.564619 0.59272 0.480272 0.480272 0.427221 0.384837 0.350181 0.321290 0.275791 0.2741499	2.758240 2.419894 2.130182 1.881141 1.66242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.69193 0.565918 0.513339 0.466334 0.424221 0.386417 0.352417 0.294135 0.246515 0.27376 0.175035 0.148184 0.098842 0.098842 0.098842 0.098842 0.098842 0.098842 0.015309 0.015309 0.007602	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.376530 0.332843 0.26750 0.204907 0.161475 0.127571 0.101016 0.056857 0.032339 0.018552 0.010718 0.003639 0.001258	6.055301 4.939718 4.045737 3.32516 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.547894 0.462789 0.331660 0.281337 0.23169 0.147349 0.107267 0.078347 0.057392 0.042152 0.00427 0.009291 0.004427 0.002125 0.000449 0.000113	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.13994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.021475 0.016718 0.013318 0.010835 0.008985 0.005279 0.003526 0.001506	LOL 2 4.613540 3.456588 2.602652 1.969793 1.448640 0.882173 0.682597 0.531248 0.327513 0.259447 0.206744 0.165715 0.133602 0.108329 0.088331 0.072421 0.059696 0.049463 0.034472 0.02482 0.017695 0.012997 0.009689 0.004922 0.002676 0.00154	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.315834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.064385 0.052222 0.042527 0.028527 0.013379 0.00332 0.006581 0.000308 0.000081 0.000023	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 2. 644580 2. 021628 1. 551301 1. 194869 0. 923731 0. 716707 0. 558048 0. 436008 0. 341798 0. 262812 0. 212073 0. 133180 0. 084574 0. 054261 0. 035142 0. 022956 0. 008182 0. 000015
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 4.5 5.0 6.0	1.565452 1.467371 1.378784 1.298593 1.225835 1.15675 1.099378 1.044303 0.993885 0.947631 0.905106 0.865925 0.829751 0.796287 0.765263 0.736449 0.703635 0.661284 0.639436 0.593436 0.595425 0.480272 0.427221 0.384837 0.350181 0.321290 0.275791	2.758240 2.419894 2.130182 1.881141 1.666242 1.480117 1.318339 1.177241 1.053774 0.945392 0.849965 0.765701 0.691093 0.624860 0.565918 0.513339 0.466334 0.424221 0.386417 0.352417 0.352417 0.294135 0.246515 0.207376 0.175035 0.148184 0.098842 0.066829 0.045681 0.031506 0.015309	4.330273 3.722719 3.208066 2.770837 2.398342 2.080146 1.807644 1.573692 1.372372 1.198745 1.048687 0.918736 0.805982 0.707973 0.622637 0.548212 0.483204 0.376530 0.332843 0.260750 0.204907 0.161475 0.1027571 0.101016 0.056857 0.032339 0.018552 0.010718 0.003639	6.055301 4.939718 4.045737 3.255916 2.743693 2.270739 1.884974 1.569126 1.309588 1.095604 0.918624 0.771820 0.649714 0.462789 0.391499 0.331660 0.281337 0.281337 0.281337 0.281337 0.147349 0.107267 0.078347 0.057392 0.042152 0.019677 0.009291 0.000427 0.000427	1p1y by 10 ⁻³ 1 0.957651 0.733800 0.566078 0.439751 0.344080 0.271217 0.215398 0.172380 0.139022 0.112994 0.092556 0.076404 0.063557 0.053272 0.044987 0.038268 0.032786 0.028284 0.024566 0.021475 0.016718 0.013318 0.010835 0.008985 0.007579 0.005279 0.003220 0.003122 0.003122 0.002568	LOL 2 4.613540 3.456588 2.602652 1.698773 1.146640 0.882173 0.682597 0.531248 0.415891 0.327513 0.256744 0.165715 0.133602 0.1083331 0.072421 0.059696 0.049463 0.034472 0.024482 0.017695 0.012997 0.009689 0.004922 0.002676 0.001574 0.000361	3 4.622008 3.458261 2.599381 1.962999 1.489555 1.135834 0.870411 0.670353 0.518875 0.403645 0.315575 0.247944 0.195759 0.155299 0.123781 0.099111 0.079711 0.064385 0.052222 0.042527 0.028527 0.028527 0.013409 0.013379 0.006581 0.002865 0.001311 0.0006281 0.0006281 0.0006281	35. 232994 26. 032505 19. 303762 14. 366891 10. 732621 8. 048138 6. 058262 4. 577983 3. 472783 2. 644580 2. 021628 1. 551301 1. 194869 0. 21628 0. 716707 0. 558048 0. 436008 0. 434798 0. 268812 0. 212073 0. 133180 0. 133180 0. 035142 0. 022956 0. 003034 0. 001162 0. 0000457 0. 000076

TABLE 15 C. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=30$

				AL GEOMETRIC	FACTORS (cm²			
N	1	S HIF	ET CHANNEL 3	4	i	2 2	ET CHANNEL	4
						0 (04630		104 063603
0.1 0.2	0.133255 0.121973	0.947927 0.813533	0.773826 0.653835	15.748132 12.722056	1.983463 1.473942	8.694572 6.388861	8.372795 6.142216	124.867523 90.894936
0.3	0.111939	0.700851	0.554021	10.320780	1.101764	4.715720	4.524493	66.381271
0.4	0.102996	0.605992	0.470728 0.401002	8,405972	0.828762 0.627606	3.497344 2.606816	3.347303	48.643467 35.770924
0.5 0.6	0.095010 0.087864	0.525820 0.457799	0.401002	6.871926 5.637397	0.478677	1.953338	2.487642 1.857512	26.400600
0.7	0.081456	0.399867	0.293155	4.639704	0.367854	1.471808	1.393810	19.557920
0.8 0.9	0.075699 0.070516	0.350346 0.307863	0.251520 0.216264	3.830149 3.170760	0.284937 0.222547	1.115412 0.850405	1.051176 0.796906	14.544515 10.858759
1.0	0.065840	0.271290	0.186330	2.631767	0.175319	0.652393	0.607367	8.139448
1.1	0.061613	0.239699	0.160852	2.189712	0.139341	0.503684	0.465423	6.125866
1.2 1.3	0.057785 0.054310	0.212323 0.188526	0.139113 0.120523	1.826022 1.525934	0.111755 0.090458	0.391412 0.306182	0.358612 0.277842	4.629285 3.512711
1.4	0.051150	0.167777	0.104590	1.277638	0.073901	0.241114	0.216456	2.676418
1.5 1.6	0.048271	0.149635	0.090905	1.071684 0.900441	0.060 9 36 0.050708	0.191149 0.152554	0.169561 0.133550	2.047579 1.572857
1.7	0.045642 0.043237	0.133728 0.11 9 745	0.079129 0.068975	0.757745	0.042579	0.132554	0.105753	1.213043
1.8	0.041033	0.107421	0.060205	0.638593	0.036070	0.099110	0.084182	0.939238
1.9 2.0	0.039009 0.037147	0.096534 0.086894	0.052616 0.046039	0.538909 0.455363	0.030819 0.026550	0.080662 0.066059	0.067355 0.054160	0.730049 0.569592
2.2	0.033847	0.070733	0.035368	0.326256	0.020171	0.045113	0.035522	0.350524
2.4	0.031024	0.057905	0.027282	0.234734	0.015771	0.031515	0.023716	0.218696
2.6 2.8	0.028592 0.026484	0.047648 0.039391	0.021123 0.016410	0.169511 0.122814	0.012650 0.010380	0.022480 0.016342	0.016094 6.011084	0.138199 0.088361
3.0	0.024646	0.032703	0.012788	0.089242	0.008687	0.012086	0.007736	0.057105
3.5	0.020958	0.020872	0.006936	0.040614	0.005978	0.006061	0.003309	0.019970
4.0 4.5	0.018208 0.016096	0.013584 0.008982	0.003816 0.002125	0.018726 0.008725	0.004447 0.003499	0.003273 0.001870	0.001500 0.000711	0.007327 0.002792
5.0	0.014433	0.006018	0.001194	0.004101	0.002869	0.001116	0.000349	0.001097
6.0	0.011995	0.002788	0.000387	0.000925	0.002102	6.000437	0.000091	0.000182
7.0 8.0	0.010304 0.009067	0.001335 0.000654	0.000128 0.000043	0.000213 0.000050	0.001665 0.001388	0.000186 0.000084	0.000026	0.000032 0.00006
9.0	0.008125	0.000327	0.000015	0.000012	0.001200	0.000040	0.000002	0.000001
10.0	0.007384	8.000166	0.000005	0.000003	0.001065	0.000019	0.000001	0.000000
				•••				
				AL GEOMETRIC	FACTORS (cm²			
N	t	HI	LET CHANNEL	AL GEOMETRIC	iply by 10 ⁻³	LOLE	T CHANNEL	4
N	ı	HI 2	LET CHANNEL 3	AL GEOMETRIC mult	iply by 10 ⁻³	LOLE 2	3	4
0.1	1.463058	HI 2 2.603448	LET CHANNEL 3 4.058276	AL GEOMETRIC mult 4 5.633063	iply by 10 ⁻³ 1 0.953323	LOLE 2 4.800353	3 4.802982	38.683441
		HI 2	LET CHANNEL 3	AL GEOMETRIC mult	iply by 10 ⁻³	LOLE 2	3	
0.1 0.2 0.3 0.4	1.463058 3.375719 i.296571 1.224682	2.603448 2.293494 2.027019 1.797027	4.058276 3.499720 3.025070 2.620547	AL GEOMETRIC multi 4 5.633063 4.615523 3.796585 3.134321	0.953323 0.732730 0.567133 0.442441	4.800353 3.612455 2.732803 2.078566	3 4.802982 3.608411 2.724035 2.066568	38.683441 28.702169 21.378239 15.985600
0.1 0.2 0.3 0.4 0.5	1.463058 1.375719 1.296571 1.224682 1.159244	2.603448 2.293494 2.027019 1.797027 1.597756	4.058276 3.499720 3.025070 2.620547 2.274836	AL GEOMETRIC multi 4 5.633063 4.615523 3.796585 3.134321 2.596323	0.953323 0.732730 0.567133 0.442141 0.347261	4.800353 3.612455 2.732803 2.078566 1.589770	3 4.802982 3.608411 2.724035 2.066568 1.575675	38.683441 28.702169 21.378239 15.985600 12.000829
0.1 0.2 0.3 0.4	1.463058 3.375719 i.296571 1.224682	2.603448 2.293494 2.027019 1.797027	4.058276 3.499720 3.025070 2.620547	AL GEOMETRIC multi 4 5.633063 4.615523 3.796585 3.134321	0.953323 0.732730 0.567133 0.442441	4.800353 3.612455 2.732803 2.078566	3 4.802982 3.608411 2.724035 2.066568	38.683441 28.702169 21.378239 15.985600
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.463058 3.375719 1.296571 1.224682 11.59244 1.099548 1.044968 0.994962	2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724.14 1.504970	AL GEOMETRIC multi 4 5.633063 4.615523 3.796585 3.434321 2.596323 2.157408 1.797884 1.502283	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.219160 0.176140	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.463058 3.375719 1.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 1.504970 1.315829	AL GEOMETRIC mult 4 5.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.274814 0.176140 0.176140	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464	38.683441 28.702169 21.378239 15.985600 12.00829 9.045610 6.845716 5.201855 3.968731
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.463058 3.375719 1.296571 1.224682 11.59244 1.099548 1.044968 0.994962	2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724.14 1.504970	AL GEOMETRIC multi 4 5.633063 4.615523 3.796585 3.434321 2.596323 2.157408 1.797884 1.502283	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.219160 0.176140	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.463058 3.375719 i.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.906802 0.867849 0.831862	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186	4.058276 3.499720 3.025070 2.620547 2.274376 1.974376 1.504970 1.315829 1.5229 1.010430 0.867488	\$.633063 4.61523 3.796585 3.434321 2.596323 2.157408 1.797884 1.502283 1.258392 1.636481 0.888840 0.749250	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.438408 0.344666	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.463058 1.375719 1.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.906802 0.867849 0.867849 0.798549	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.679860	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724414 1.504970 1.315829 1.67229 1.01430 0.867288 0.780151	AL GEOMETRIC mult 4 5.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.536481 0.888840 0.749250 0.632712	0.953323 0.732730 0.567133 0.442141 0.347261 0.219160 0.176140 0.142675 0.116474 0.05826 0.079448 0.066370	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.438408 0.344666 0.272314 0.216198	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.463058 1.375719 1.296571 1.224682 1.159244 1.09548 1.044968 0.994962 0.949048 0.906802 0.867849 0.831862 0.798549 0.767648 0.738931	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.679860 0.616327 0.559600	4.058276 3.499720 3.025070 2.620547 2.27836 1.979598 1.724,14 1.504970 1.157229 1.010430 0.867488 0.780151 0.686777 0.605266	\$.633063 4.61523 3.796585 3.434321 2.596323 2.157408 1.797884 1.502283 1.258392 1.636481 0.888840 0.749250	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448 0.066370 0.055859 0.047357	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.150015	3 4.802982 3.608411 2.724035 2.066568 1.575675 0.930134 0.720165 0.560464 0.438408 0.344666 0.272314 0.215198 0.172461 0.138206	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3 1.4	1.463058 3.375719 i.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.906802 0.867849 0.831862 0.767648 0.738931 0.712196	41 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.679860 0.616327 0.559600 0.508835	4.058276 3.499720 3.025070 2.620547 2.27836 1.979598 1.724,14 1.504970 1.15229 1.010430 0.867288 0.780151 0.685777 0.605266 0.533999	\$.633063 4.61523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258352 1.656481 0.888840 0.749250 0.632712 0.535185 0.453384	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.066370 0.058859 0.047357 0.040434	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.438408 0.344666 0.272314 0.216198 0.172461 0.138206 0.111250	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.463058 1.375719 1.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.906802 0.867849 0.831862 0.767648 0.778931 0.712196 0.687259	2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.1024527 0.922033 0.831456 0.751186 0.679860 0.616327 0.559600 0.508835 0.463309	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 1.504970 1.315829 1.57229 1.010430 0.884288 0.780151 0.686777 0.605266 0.533999 0.471599	AL GEOMETRIC mult 4 5.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.56481 0.888840 0.749250 0.632712 0.535185 0.453384 0.384630 0.326730	0.953323 0.732730 0.567133 0.442141 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.095826 0.066370 0.055859 0.047357 0.040434 0.034762	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.438408 0.344666 0.344666 0.172461 0.172461 0.172461 0.172461 0.172461 0.172461 0.172461	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.463058 1.375719 1.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.906802 0.867849 0.831862 0.798549 0.767648 0.7785931 0.712196 0.687259 0.687259 0.663757 0.642145	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 1.504970 1.315829 1.157229 1.010430 0.867488 0.780151 0.686777 0.605266 0.533999 0.471599 0.416887 0.368853	\$.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.258392 1.258481 0.888840 0.749250 0.632712 0.533185 0.384630 0.326730 0.2277885 0.236610	0.953323 0.732730 0.567133 0.462141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448 0.065870 0.055859 0.047357 0.040434 0.034762 0.030086 0.026207	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.088311	3 4.802982 3.608411 2.724035 2.066568 1.575675 0.930134 0.720165 0.560464 0.438408 0.344666 0.272314 0.216198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.463058 3.375719 i.296571 1.224682 1.159244 1.094968 0.994962 0.949048 0.996802 0.867849 0.831862 0.767648 0.738931 0.712196 0.687259 0.687259 0.663259 0.6642145 0.621695	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.679860 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575 0.352361	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 1.504970 1.315829 1.010430 0.86/288 0.780151 0.686777 0.605266 0.533999 0.471599 0.416887 0.326630	AL GEOMETRIC multi 4 5.633063 4.61523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258382 1.258382 1.258481 0.888840 0.749250 0.632712 0.535185 0.453384 0.384630 0.326730 0.277885 0.236610 0.201678	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448 0.066370 0.058559 0.057357 0.040434 0.034762 0.034762 0.03086 0.026207 0.022970	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.438408 0.272314 0.216198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503 0.048681	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.08380 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.463058 1.375719 1.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.906802 0.867849 0.831862 0.798549 0.767648 0.7785931 0.712196 0.687259 0.687259 0.663757 0.642145	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 1.504970 1.315829 1.157229 1.010430 0.867488 0.780151 0.686777 0.605266 0.533999 0.471599 0.416887 0.368853	\$.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.258392 1.258481 0.888840 0.749250 0.632712 0.533185 0.384630 0.326730 0.2277885 0.236610	0.953323 0.732730 0.567133 0.462141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448 0.065870 0.055859 0.047357 0.040434 0.034762 0.030086 0.026207	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.088311	3 4.802982 3.608411 2.724035 2.066568 1.575675 0.930134 0.720165 0.560464 0.438408 0.344666 0.272314 0.216198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6	1.463058 3.375719 i.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.967849 0.867849 0.7857648 0.798549 0.767648 0.738931 0.712196 0.687259 0.663757 0.642145 0.621695 0.584424 0.551349 0.551349	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575 0.352361 0.295207 0.248278 0.209531	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 2.504970 1.315829 1.67229 1.010430 0.86/288 0.780151 0.686777 0.605266 0.533999 0.471599 0.416887 0.368853 0.326630 0.256737 0.202382 0.159948	\$.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.758392 1.758392 0.632712 0.535185 0.455384 0.384630 0.326730 0.277885 0.236610 0.201678 0.146947 0.107438	0.953323 0.732730 0.567133 0.462141 0.347261 0.274814 0.219160 0.176140 0.116474 0.095826 0.079448 0.065859 0.047357 0.040434 0.034762 0.034762 0.030086 0.026207 0.022970 0.014356 0.014356 0.014356	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824 0.038464 0.038464	3 4.802982 3.608411 2.724035 2.066568 1.575675 0.930134 0.720165 0.560464 0.344666 0.272314 0.215198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503 0.048681 0.022935 0.022580 0.015668	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.165982 0.165988
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.6	1.463058 1.375719 1.296571 1.224682 1.159244 1.09548 1.044968 0.994962 0.949048 0.996802 0.867849 0.767648 0.738931 0.712196 0.687259 0.6637259 0.6637259 0.6521695 0.551349 0.551349 0.551349 0.551349	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.679850 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575 0.352361 0.295207 0.248278 0.248278 0.27380	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 1.504970 1.315829 1.152229 1.010430 0.864777 0.605266 0.780151 0.686777 0.605266 0.471599 0.471599 0.471599 0.416887 0.368630 0.256737 0.202382 0.15948 0.126707	AL GEOMETRIC multi 4 5.633063 4.61523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258352 1.636481 0.888840 0.749250 0.632712 0.535185 0.453384 0.384630 0.277885 0.236610 0.201678 0.107438 0.107478 0.107478 0.1074789 0.0078789	0.953323 0.732730 0.567133 0.442141 0.347261 0.274814 0.219160 0.176140 0.116474 0.095826 0.079448 0.066370 0.055859 0.047357 0.040434 0.034762 0.034762 0.03086 0.03086 0.03086 0.017961 0.014356 0.011707 0.009721	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.162268 0.100186 0.082520 0.068311 0.056824 0.039369 0.028464 0.028469 0.02649	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.438408 0.272314 0.216198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503 0.048681 2.032935 0.015668 0.010991	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.083800 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.105968 0.105968 0.068751 0.045002
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6	1.463058 3.375719 1.296571 1.224682 1.159244 1.09548 1.044968 0.994962 0.949048 0.906802 0.867849 0.831862 0.798549 0.767648 0.738931 0.712196 0.687259 0.663257 0.642145 0.621695 0.584424 0.584424 0.551349 0.521823 0.471412 0.47177	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575 0.352361 0.295207 0.248278 0.209531	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 2.504970 1.315829 1.67229 1.010430 0.86/288 0.780151 0.686777 0.605266 0.533999 0.471599 0.416887 0.368853 0.326630 0.256737 0.202382 0.159948	\$.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.758392 1.758392 1.758392 0.632712 0.535185 0.453384 0.384630 0.326730 0.277885 0.236610 0.201678 0.146947 0.107438	0.953323 0.732730 0.567133 0.462141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448 0.066370 0.055859 0.047357 0.040434 0.03086 0.026207 0.022970 0.017961 0.017961 0.017961 0.0179721 0.008206 0.005713	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824 0.038464 0.038464	3 4.802982 3.608411 2.724035 2.066568 1.575675 0.930134 0.720165 0.560464 0.344666 0.272314 0.215198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503 0.048681 0.022935 0.022580 0.015668	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.165982 0.165988
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.0 3.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.463058 3.375719 i.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.967849 0.867849 0.7857648 0.798549 0.767648 0.738931 0.712196 0.687259 0.663757 0.642145 0.621695 0.551349 0.551349 0.551349 0.495322 0.471412 0.420777 0.380121	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.6751860 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575 0.352361 0.295207 0.248278 0.29531 0.177380 0.150583 0.101052 0.068675	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 2.504970 1.57229 1.010430 0.86/288 0.780151 0.686777 0.605266 0.533999 0.471599 0.416887 0.368853 0.326630 0.256737 0.126707 0.100589	S. 633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.758392 1.758392 1.758392 1.758392 0.632712 0.535185 0.457384 0.326730 0.277885 0.236610 0.201678 0.146947 0.147438 0.078789 0.057934 0.022093 0.022093	0.953323 0.732730 0.567133 0.462141 0.347261 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448 0.065870 0.055859 0.047357 0.040434 0.034762 0.034762 0.032970 0.017961 0.014356 0.01707 0.009721 0.009721 0.008206 0.005713 0.004268	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824 0.039869 0.028464 0.039869 0.015203 0.011346 0.005753 0.003108	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.344666 0.272314 0.215198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503 0.048681 0.032935 0.022580 0.015668 0.010991 0.007788 0.007788	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.164932 0.105568 0.068751 0.045002 0.029693 0.010823
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.6 3.0 3.5 4.5	1.463058 3.375719 i.296571 1.224682 1.159244 1.09548 1.044968 0.994962 0.949048 0.996802 0.867849 0.831862 0.767648 0.738931 0.712196 0.687259 0.6637259 0.6637259 0.6521695 0.551349 0.551349 0.551349 0.495322 0.471412 0.420777 0.380121 0.346739	81 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.679860 0.616327 0.55680 0.422403 0.385575 0.463309 0.422403 0.385575 0.295207 0.248278 0.209531 0.177380 0.150583 0.101055	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 1.504970 1.15229 1.010430 0.867488 0.780151 0.686777 0.605266 0.533999 0.471599 0.471599 0.476887 0.326630 0.256737 0.202382 0.126707 0.100587 0.100587 0.056938	S. 633063 4.61523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258352 1.636481 0.888840 0.749250 0.632712 0.535185 0.453384 0.384630 0.277885 0.236610 0.201678 0.146947 0.107438 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.078789 0.057934 0.042701 0.020093	0.953323 0.732730 0.567133 0.422141 0.274814 0.219160 0.176140 0.142675 0.116474 0.095826 0.079448 0.066370 0.055859 0.047357 0.040434 0.034762 0.03086 0.026207 0.026207 0.014356 0.017961 0.014356 0.017961 0.014356 0.017961 0.014356 0.017961 0.014356 0.017961 0.014356 0.017961 0.014356 0.017961 0.014356 0.017961 0.014356 0.017961	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824 0.039869 0.05624 0.039869 0.05753 0.011346 0.005753	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.438408 0.272314 0.216198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503 0.048681 2.032935 0.022580 0.015668 0.010991 0.007788 0.003417 0.001569 0.000747	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.3388015 1.805114 1.399034 1.083880 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.164932 0.105936 0.068751 0.045002 0.029693 0.010823 0.004089
0.1 0.2 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 1.7 1.9 2.0 2.2 2.4 4.5 3.5 5.0 4.5 6.0	1.463058 1.375719 1.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949080 0.867849 0.831862 0.798549 0.767648 0.712196 0.687259 0.663257 0.642145 0.621695 0.584244 0.521823 0.495322 0.471412 0.346739 0.318815 0.274658	#1 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.616327 0.559600 0.508835 0.463309 0.402403 0.385575 0.352361 0.295207 0.248278 0.209531 0.177380 0.150583 0.101052 0.068675 0.047149 0.032643 0.015962	4.058276 3.499720 3.025070 2.620547 2.274836 1.724346 2.5049720 3.15829 1.010430 0.86728 0.780729 1.010430 0.86728 0.780729 0.416887 0.368853 0.326630 0.256737 0.202382 0.159948 0.126707 0.100587 0.056938 0.032544 0.018749 0.010872 0.003715	\$.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.658382 1.658384 0.384630 0.749250 0.632712 0.535185 0.453384 0.384630 0.326730 0.277885 0.236610 0.201678 0.146947 0.107438 0.078789 0.057934 0.04580 0.009553 0.004580 0.002210 0.000523	0.953323 0.732730 C.567133 0.422441 0.274814 0.219160 0.176140 0.176140 0.1866370 0.055859 0.047357 0.040434 0.03086 0.026207 0.022970 0.017961 0.014356 0.011707 0.0017961 0.014356 0.01707 0.002970 0.002970 0.002970	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824 0.039869 0.02649 0.015203 0.015203 0.015203 0.015203 0.011346 0.005753 0.003108 0.001768	3 4.802982 3.608411 2.724035 2.066568 1.575675 0.930134 0.720165 0.560464 0.438408 0.344666 0.272314 0.216160 0.111250 0.08990 0.059503 0.048681 0.032935 0.022580 0.015668 0.010991 0.0073708 0.003417 0.001569 0.000747	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.164932 0.105568 0.068751 0.045002 0.029693 0.010823 0.001082 0.001599 0.001590 0.000633 0.000106
0.1 0.2 0.4 0.5 0.6 0.7 0.9 1.0 1.2 1.3 1.4 1.6 1.7 1.8 2.0 2.2 2.4 6.8 3.0 5.0 6.0 7.0	1.463058 3.375719 i.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949048 0.906802 0.867849 0.798549 0.798549 0.798549 0.7687259 0.6637259 0.6637259 0.6637259 0.6637259 0.6637259 0.6637259 0.6637259 0.662145 0.521823 0.495322 0.471412 0.420777 0.380121 0.346739 0.318815 0.274658	HI 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.6751860 0.616327 0.559600 0.508835 0.463309 0.422403 0.385575 0.352361 0.295207 0.248278 0.209531 0.177380 0.15052 0.068675 0.047149 0.032643 0.015962 0.007967	4.058276 3.499720 3.025070 2.620547 2.274836 1.979598 1.724,14 2.504970 1.15229 1.010430 0.86/288 0.780151 0.686777 0.605266 0.533999 0.471599 0.416887 0.368853 0.326630 0.256737 0.100587 0.100587 0.100587 0.0032544 0.018749 0.108749 0.003715 0.003715	\$.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.758392 1.758392 1.758392 0.632712 0.535185 0.4553384 0.384630 0.326730 0.277885 0.236610 0.201678 0.146947 0.107438 0.078789 0.057934 0.042701 0.020093 0.004580 0.002126	0.953323 0.732730 0.567133 0.462141 0.347261 0.274814 0.219160 0.176140 0.116474 0.095826 0.079448 0.065870 0.055859 0.047357 0.040434 0.034762 0.032086 0.026207 0.022970 0.017961 0.014356 0.01707 0.09721 0.008206 0.003763 0.00363 0.00270 0.002027 0.002027 0.002027 0.002027	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824 0.039869 0.028464 0.039869 0.028464 0.039869 0.015203 0.011346 0.005753 0.001048 0.001768	3 4.802982 3.608411 2.724035 2.066568 1.575675 1.207515 0.930134 0.720165 0.560464 0.344666 0.272314 0.216198 0.172461 0.138206 0.111250 0.089938 0.073009 0.059503 0.048681 0.032935 0.022580 0.015668 0.010991 0.007788 0.00367 0.000367 0.000367 0.000095	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.3388015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.164932 0.105968 0.068751 0.045002 0.025693 0.010823 0.004089 0.001590 0.000633 0.0001590 0.000633
0.1 0.2 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 1.7 1.9 2.0 2.2 2.4 4.5 3.5 5.0 4.5 6.0	1.463058 1.375719 1.296571 1.224682 1.159244 1.099548 1.044968 0.994962 0.949080 0.867849 0.831862 0.798549 0.767648 0.712196 0.687259 0.663257 0.642145 0.621695 0.584244 0.521823 0.495322 0.471412 0.346739 0.318815 0.274658	#1 2 2.603448 2.293494 2.027019 1.797027 1.597756 1.424473 1.273254 1.140842 1.024527 0.922033 0.831456 0.751186 0.616327 0.559600 0.508835 0.463309 0.402403 0.385575 0.352361 0.295207 0.248278 0.209531 0.177380 0.150583 0.101052 0.068675 0.047149 0.032643 0.015962	4.058276 3.499720 3.025070 2.620547 2.274836 1.724346 2.5049720 3.15829 1.010430 0.86728 0.780729 1.010430 0.86728 0.780729 0.416887 0.368853 0.326630 0.256737 0.202382 0.159948 0.126707 0.100587 0.056938 0.032544 0.018749 0.010872 0.003715	\$.633063 4.615523 3.796585 3.134321 2.596323 2.157408 1.797884 1.502283 1.258392 1.658382 1.658384 0.384630 0.749250 0.632712 0.535185 0.453384 0.384630 0.326730 0.277885 0.236610 0.201678 0.146947 0.107438 0.078789 0.057934 0.04580 0.009553 0.004580 0.002210 0.000523	0.953323 0.732730 C.567133 0.422441 0.274814 0.219160 0.176140 0.176140 0.1866370 0.055859 0.047357 0.040434 0.03086 0.026207 0.022970 0.017961 0.014356 0.011707 0.0017961 0.014356 0.01707 0.002970 0.002970 0.002970	4.800353 3.612455 2.732803 2.078566 1.589770 1.222855 0.946082 0.736257 0.576361 0.453871 0.359533 0.286480 0.229601 0.185069 0.150015 0.122268 0.100186 0.082520 0.068311 0.056824 0.039869 0.02649 0.015203 0.015203 0.015203 0.015203 0.011346 0.005753 0.003108 0.001768	3 4.802982 3.608411 2.724035 2.066568 1.575675 0.930134 0.720165 0.560464 0.438408 0.344666 0.272314 0.216160 0.111250 0.08990 0.059503 0.048681 0.032935 0.022580 0.015668 0.010991 0.0073708 0.003417 0.001569 0.000747	38.683441 28.702169 21.378239 15.985600 12.000829 9.045610 6.845716 5.201855 3.968731 3.040098 2.338015 1.805114 1.399034 1.088380 0.849805 0.665884 0.523562 0.413026 0.326866 0.259473 0.164932 0.105568 0.068751 0.045002 0.029693 0.010823 0.001082 0.001599 0.001590 0.000633 0.000106

TABLE 15 D. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 45$

				AL GEOMETRIC	FACTORS (cm²			
N	1	HIL 2	ET CHANNEL 3	4	1	LOL 2	ET CHANNEL 3	4
74	•	2	3	•	•	2	3	•
0.1	0.129832	0.909705	0.737103	14.553537	2.073612	9.679792	9.391701	148.930618
0.2 0.3	0.119307 0.10 9 909	0.786419 0.682320	0.626468 0.533904	11.853591 9.693679	1.542144 1.153755	7.123003 5.265776	6.898727 5.089017	108.618164 79.488464
0.4	0.101502	0.594065	0.456210	7.957291	0.868714	3.911822	3.770783	58.377689
0.5	0.093965	0.518945	0.390794	6.554893	0.658564	2.920976	2.807031	43.031731
0.6	0.087195	0.454758	0.335548	5.417212	0.502871	2.192905	2.099732	31.840456
0.7 0.8	0.081102 0.075607	0.399708 0.352322	0.288757 0.249018	4.490498 3.732665	0.386926 0.300107	1.655619 1.257323	1.578544 1.192867	23.651913 17.639715
0.9	0.070641	0.311393	0.215176	3.110698	0.234718	0.960657	0.906208	13.209554
1.0	0.066145	0.275922	0.186285	2.598511	0.185170	0.738585	0.692162	9.933105
1.1 1.2	0.062067 0.058359	0.245082 0.218185	0.161561 0.140354	2.175398 1.824852	0.147384 0.118376	0.571487 0.445075	0.531580 0.410514	7. 500679 5.687 8 20
1.3	0.054983	0.194660	0.122124	1.533644	0.095953	0.348908	0.318783	4.331365
1.4	0.051902	0.174026	0.106421	1.291119	0.078497	0.275330	0.248920	3.312313
1.5	0.049085 0.046505	0.155878 0.139878	0.092868 0.081149	1.088674 0.919320	0.064808 0.053994	0.218705 0.174866	0.195436 0.154274	2.543612 1.961387
1.6 1.7	0.044138	0.125737	0.070998	0.777370	0.045388	0.140721	0.122429	1.518580
1.8	0.041961	0.113209	0.062191	0.658169	0.038485	0.113964	0.097661	1.180427
1.9	0.039957	0.102087	0.054538	0.557902	0.032908	0.092869	0.078296	0.921138
2.0	0.038108 0.034817	0.092193 0.075497	0.047877 0.037007	0.473426 0.341935	0.028368 0.021570	0.076136 0.052066	0.063077 0.041510	0.721520 0.447507
2.4	0.031989	0.062136	0.028708	0.247850	0.016869	0.036385	0.027792	0.281349
2.6	0.029541	0.051371	0.022343	0.180219	0.013528	0.025937	0.018900	0.179106
2.8	0.027410	0.042648	0.017441	0.131409	0.011093	0.018827	0.013037	0.115324
3 0 3.5	0.025544 0.021781	0.035538 0.022855	0.013651 0.007476	0.096058 0.044295	0.009276 0.006365	0.013891 0.006908	0.009107 0.003895	0.075025 0.026623
4.0	0.018956	0.014958	0.004145	0.020653	0.004722	0.003691	0.001759	0.009883
4.5	0.016777	0.009933	0.002322	0.009715	0.003707	0.002086	0.000829	0.003800
5.0 6.0	0.015054 0.012521	0.006676 0.003106	0.001312 0.000428	0.004604 0.001053	0.003034 0.002220	0.001232 0.000474	0.000405	0.001502 0.000250
7.0	0.012321	0.003100	0.000428	0.000245	0.001757	0.000200	0.000029	0.000045
8.0	0.009468	0.000731	0.000049	0.000058	0.001464	0.000090	0.000009	0.000008
9.0	0.008483	0.000366	0.000017	0.000014	0.001265	0.000042	0.000003	0.000002
10.0	0.007709	0.000186	0.000006	0.000003	0.001123	0.000020	0.000001	0.000000
					FACTORS (cm ²		T CHANNEL	
H	1		WIDIRECTION LET CHANNEL 3		FACTORS (cm ³ iply by 10 ⁻³		T CHANNEL 3	4
		HI 2	LET CHANNEL 3	mu}t 4	iply by 10 ^{.3}	LOLE 2	3	
0.1	1.413145	HI 2 2.469136	3.823288	mult 4 5.115229	iply by 10 ^{.3} 0.970583	LOLE 2 5.086353	3 5.103700	43.110897
		HI 2	LET CHANNEL 3	mu}t 4	iply by 10 ^{.3}	LOLE 2	3	
0.1 0.2 0.3 0.4	1.413145 1.332360 1.258934 1.192046	2.469136 2.186517 1.942184 1.730129	3.823288 3.823288 3.310441 2.872723 2.498063	mult 4 5.115229 4.216977 3.489485 2.897495	0.970583 0.747797 0.580291 0.453642	LOLE 2 5.086353 3.844693 2.922100 2.233425	3 5.103700 3.850597 2.919822 2.225420	43.110897 32.129581 24.043293 18.066822
0.1 0.2 0.3 0.4 0.5	1.413145 1.332360 1.258934 1.192046 1.130980	2.469136 2.186517 1.942184 1.730129 1.545400	3.823288 3.310441 2.872723 2.498063 2.176508	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614	0.970583 0.747797 0.580291 0.453642 0.357321	5.086353 3.844693 2.922100 2.233425 1.716891	3 5.103700 3.850597 2.919822 2.225420 1.705000	43.110897 32.129581 24.043293 18.066822 13.632898
0.1 0.2 0.3 0.4 0.5 0.6	1.413145 1.332360 1.258934 1.192046	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622	\$.086353 3.844693 2.922100 2.233425 1.716891 1.327545	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142	43.110897 32.129581 24.043293 18.066822
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614	0.970583 0.747797 0.580291 0.453642 0.357321	5.086353 3.844693 2.922100 2.233425 1.716891	3 5.103700 3.850597 2.919822 2.225420 1.705000	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.68174 1.418522 1.193943	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629	LOLE 2 5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014	0.970583 0.747797 0.580291 0.453642 0.3573221 0.283622 0.226881 0.182917 0.148629 0.121713	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.68174 1.418522 1.193943	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629	LOLE 2 5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968	LOLE 2 5. 086353 3. 844693 2. 922100 2. 233425 1. 716891 1. 327545 1. 032569 0. 807913 0. 635900 0. 503472 0. 400959 0. 321162 0. 258704	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.138843 1.664717
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.761126	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.209544	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.050179	LOLE 2 5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.209544 0.170640	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.893547 0.86605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.5111599 0.467035	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.527838 0.467240	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.209544	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.761126 0.733637 0.79786 0.684012 0.661568	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119	0.970583 0.747797 0.580291 0.453642 0.3573221 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042940 0.036991 0.032072	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.195494 0.195494 0.157435 0.127332 0.103411	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.661568 0.640519	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.367045	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042940 0.036991 0.032072 0.027980	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.209544 0.170640 0.139685 0.114922 0.095010 0.078917	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.084315 0.069004	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.761126 0.733637 0.79786 0.684012 0.661568	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119	0.970583 0.747797 0.580291 0.453642 0.3573221 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042940 0.036991 0.032072	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.195494 0.195494 0.157435 0.127332 0.103411	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.138843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.86605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.661568 0.640519 0.620748 0.5284623 0.552463	2.4469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550 0.3907708 0.300939 0.254064	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.357045 0.325701 0.2577005 0.203324	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430	0.970583 0.747797 0.580291 0.453642 0.3573221 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042940 0.036991 0.032072 0.027980 0.024556 0.019237 0.015390	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.084315 0.084315 0.069004 0.056677 0.038621 0.026644	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.733637 0.707986 0.684012 0.661568 0.640519 0.620748 0.584623 0.552463	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.075470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550 0.357708 0.300939 0.254064 0.215161	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.367045 0.325701 0.257005 0.203324 0.161232	mult 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430 0.079172	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042940 0.036991 0.032072 0.024556 0.019237 0.015390 0.012553	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262 0.033262	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.084315 0.069004 0.056677 0.038621 0.026644 0.018585	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.666717 1.0033628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410 0.088094
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.86605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.661568 0.640519 0.620748 0.5284623 0.552463	2.4469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550 0.3907708 0.300939 0.254064	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.357045 0.325701 0.2577005 0.203324	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430	0.970583 0.747797 0.580291 0.453642 0.3573221 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042940 0.036991 0.032072 0.027980 0.024556 0.019237 0.015390	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.084315 0.084315 0.069004 0.056677 0.038621 0.026644	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.661568 0.640519 0.6620748 0.584623 0.552463 0.523672 0.497762 0.47762 0.47732	2.4469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550 0.3907708 0.300939 0.254064 0.215161 0.182728 0.155579 0.105076	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.357045 0.325701 0.257005 0.203324 0.161232 0.128122 0.102006 0.058114	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430 0.079172 0.058484 0.043291 0.020565	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042540 0.036991 0.032072 0.024556 0.019237 0.012553 0.012553 0.012553 0.008788 0.006098	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262 0.024181 0.017817 0.012291 0.006703	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.084315 0.069004 0.056677 0.038621 0.026644 0.018585 0.013095 0.009309 0.004105	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410 0.088094 0.058218 0.038760
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.733637 0.707986 0.684012 0.661568 0.640519 0.620748 0.584623 0.552463 0.523672 0.474332 0.424534 0.384378	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.390550 0.390550 0.390550 0.357708 0.390550 0.357708 0.309399 0.254064 0.215161 0.182728 0.155579 0.105076 0.071790	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.367045 0.325701 0.257005 0.203124 0.161232 0.102006 0.058114 0.033399	mu)t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430 0.079172 0.058484 0.043295 0.009858	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.182917 0.148629 0.121713 0.100442 0.083520 0.069520 0.059520 0.059520 0.042540 0.032072 0.024556 0.019237 0.015390 0.012553 0.010420 0.008788 0.008698	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262 0.04181 0.017817 0.017817 0.017817	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.084315 0.069004 0.056677 0.038621 0.026644 0.018585 0.013095 0.009309 0.004105 0.001885	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.666717 1.0033628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410 0.088094 0.058218 0.038760 0.014413 0.005536
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.0 4.5	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.8956605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.661568 0.640519 0.620748 0.584623 0.523672 0.474332 0.474332 0.474334 0.384378 0.351297	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550 0.390550 0.390550 0.357708 0.300939 0.254064 0.215161 0.182728 0.155579 0.105076 0.071790 0.049511	3 .823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.325701 0.257005 0.203324 0.161232 0.128122 0.102006 0.058114 0.033399 0.019333	mu)t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430 0.079172 0.058484 0.043291 0.020565 0.009858	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.26881 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.050179 0.042940 0.036991 0.032072 0.027980 0.024556 0.019237 0.015253 0.016253 0.008788 0.008788 0.008788	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095817 0.065845 0.046429 0.033262 0.07817 0.013291 0.007817 0.013291	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.084315 0.066677 0.038621 0.026644 0.018585 0.013095 0.009309 0.004105 0.001885 0.000895	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410 0.088094 0.058218 0.038760 0.014413 0.005536
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.0 5.0 6.0	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.661568 0.640519 0.620748 0.584623 0.584623 0.523672 0.47762 0.47762 0.474332 0.424534 0.384378 0.381297 0.323547 0.279524	2.4469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550 0.390550 0.3907708 0.300939 0.254064 0.215161 0.182728 0.155579 0.105076 0.071790 0.049511 0.034412 0.016934	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.367045 0.325701 0.257005 0.203224 0.161232 0.102006 0.058114 0.033399 0.019333 0.011258 0.01673	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430 0.079172 0.058484 0.194551 0.058486 0.004759 0.002311 0.000553	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.184829 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042540 0.036991 0.032072 0.024556 0.019237 0.012553 0.012553 0.008788 0.008788 0.004539 0.004539 0.004539 0.004539 0.004539 0.004539 0.004539	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262 0.024181 0.017817 0.012291 0.005087 0.002017 0.001182 0.000448	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.686788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.084315 0.056677 0.038621 0.026644 0.018585 0.013095 0.0013095 0.001895 0.000895 0.000895 0.000895 0.000895	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410 0.088094 0.058218 0.038760 0.014413 0.005536 0.002182 0.000878 0.000149
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0 4.5 5.6 0.7	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.8956605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.6640519 0.620748 0.584623 0.552463 0.523672 0.474332 0.474334 0.384378 0.384378 0.323547 0.323547	2.469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.390550 0.390550 0.390550 0.357708 0.30939 0.254064 0.215161 0.182728 0.155579 0.105076 0.074790 0.049511 0.034412 0.016934 0.008494	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.367045 0.325701 0.257005 0.203124 0.161232 0.128122 0.102006 0.058114 0.033399 0.019333 0.011258	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430 0.079172 0.058484 0.042956 0.009553 0.004759 0.002311 0.000553	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.182917 0.148629 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042540 0.036991 0.032072 0.024556 0.019237 0.015390 0.012553 C.010420 0.008788 0.008788 0.008698 0.004539 0.003665 0.002137 0.002137 0.001695	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262 0.024181 0.017817 0.017817 0.013291 0.006703 0.003587 0.002017	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.619039 0.486788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.004315 0.069004 0.056677 0.038621 0.026644 0.018585 0.013095 0.009309 0.004105 0.001885 0.000895 0.000437 0.000031	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.666717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410 0.088094 0.058218 0.038760 0.014413 0.005536 0.005536 0.002182 0.000878 0.000149
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.0 5.0 6.0	1.413145 1.332360 1.258934 1.192046 1.130980 1.075114 1.023894 0.976836 0.933512 0.893547 0.856605 0.822391 0.790642 0.761126 0.733637 0.707986 0.684012 0.661568 0.640519 0.620748 0.584623 0.584623 0.523672 0.47762 0.47762 0.474332 0.424534 0.384378 0.381297 0.323547 0.279524	2.4469136 2.186517 1.942184 1.730129 1.545400 1.383902 1.242229 1.117542 1.007470 0.910010 0.823480 0.746453 0.677716 0.616231 0.561112 0.511599 0.467035 0.426850 0.390550 0.390550 0.3907708 0.300939 0.254064 0.215161 0.182728 0.155579 0.105076 0.071790 0.049511 0.034412 0.016934	3.823288 3.310441 2.872723 2.498063 2.176508 1.899822 1.661158 1.454817 1.276036 1.120812 0.985777 0.868094 0.765355 0.675516 0.596840 0.527838 0.467240 0.413956 0.367045 0.325701 0.257005 0.203224 0.161232 0.102006 0.058114 0.033399 0.019333 0.011258 0.01673	mu1t 4 5.115229 4.216977 3.489485 2.897495 2.413614 2.016446 1.689174 1.418522 1.193943 1.007014 0.850974 0.720378 0.610808 0.518673 0.441038 0.375498 0.320070 0.273119 0.233288 0.199451 0.146160 0.107430 0.079172 0.058484 0.194551 0.058486 0.004759 0.002365	0.970583 0.747797 0.580291 0.453642 0.357321 0.283622 0.226881 0.182917 0.184829 0.121713 0.100442 0.083520 0.069968 0.059044 0.050179 0.042540 0.036991 0.032072 0.024556 0.019237 0.012553 0.012553 0.008788 0.008788 0.004539 0.004539 0.004539 0.004539 0.004539 0.004539 0.004539	5.086353 3.844693 2.922100 2.233425 1.716891 1.327545 1.032569 0.807913 0.635900 0.503472 0.400959 0.321162 0.258704 0.170640 0.139685 0.114922 0.095010 0.078917 0.065845 0.046429 0.033262 0.024181 0.017817 0.012291 0.005087 0.002017 0.001182 0.000448	3 5.103700 3.850597 2.919822 2.225420 1.705000 1.313142 1.016668 0.791264 0.686788 0.384722 0.305554 0.243840 0.195494 0.157435 0.127332 0.103411 0.084315 0.056677 0.038621 0.026644 0.018585 0.013095 0.0013095 0.001895 0.000895 0.000895 0.000895 0.000895	43.110897 32.129581 24.043293 18.066822 13.632898 10.330594 7.861322 6.007494 4.610052 3.552296 2.748366 2.134843 1.664717 1.303017 1.023628 0.806976 0.638336 0.506579 0.403266 0.321977 0.206971 0.134410 0.088094 0.058218 0.038760 0.014413 0.005536 0.002182 0.000878 0.000149

TABLE 15 E. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 60$

				AL GEOMETRIC	FACTORS (cm²		er enamuel	
N	1	#1L 2	ET CHANKEL 3	4	1	2	LET CHANNEL 3	4
0.1	0.129729	0.886414	0.708282	13.498644	2.174954	10.637485	10.354649	171.600296
0.2	0.119595	0.771057	0.605250	11.075621	1.617794	7.834941	7.612566	125.319565
0.3 0.4	0.110516 0.102365	0.673044 0.589428	0.518561 0.445391	9.122497 7.540480	1.210593 0.911706	5.797883 4.311764	5.620873 4.169116	91.844582 67.558784
0.5	0.095033	0.517812	0.383438	6.253204	0.691313	3.223341	3.106978	49.883976
0.6	0.088425	0.456241	0.330831 0.286034	5.201301	0.528001 0.406354	2.422869	2.326843 1.751482	36.977970 27. 521654
0.7 0.8	0.082458 0.077059	0.403110 0.357102	0.247785	4.338300 3.627654	0.315242	1.831589 1.392818	1.325308	20.568241
0.9	0.072164	0.317128	0.215045	3.040464	0.246600	1.065636	1.008219	15.436259
1.0 1.1	0.067718 0.063673	0.282285 0.251822	0.186952 0.162793	2.553746 2.149128	0.194570 0.154877	0.820431 0.635689	0.771190 0.593149	11.634176 8.806300
1.2	0.059984	0.225110	0.141971	1.811859	0.124394	0.495745	0.458751	6.694588
1.3 1.4	0.056615 0.053532	0.201624 0.180919	0.123989 0.108431	1.530029 1.293993	0.100822 0.082463	0.389135 0.307452	0.356782 0.279015	5.111233 3.919113
1.5	0.050706	0.162621	0.094944	1.095893	0.068061	0.244497	0.219393	3.017808
1.6	0.048110	0.146412 0.132022	0.083234 0.073050	0.929312 0.788988	0.056679 0.047616	0.195686 0.157612	0.173441 0.137835	2.333509 1.811788
1.7 1.8	0.045722 0.043521	0.119220	0.054180	0.670587	0.04/016	0.137812	0.110100	1.412352
1.9	0.041490	0.107808	0.056443	0.570533	0.034470	0.104147	0.088382	1.105272
2.0 2.2	0.039611 0.036258	0.097615 0.080323	0.049685 0.038601	0.485867 0.353271	0.029686 0.022521	0.085412 0.058415	0.071288 0.047013	0. 868226 0.541559
2.4	0.033363	0.066390	0.030086	0.257652	0.017566	0.040794	0.031528	0.342372
2.6	0.030849	0.055097	0.023516 0.018429	0.188420	0.014046	0.029036	0.021468	0.219121 0.141810
2.8 3.0	0.028653 0.026725	0.045894 0.038358	0.018427	0.138120 0.101463	0.011484 0.009574	0.021029 0.015471	0.014818 0.010354	0.141810
3.5	0.022820	0.024817	0.007989	0.047303	0.006525	0.007621	0.004422	0.033247
4.0 4.5	0.019876 0.017597	0.016315 0.010869	0.004458 0.002510	0.022261 0.010556	0.004813 0.003764	0.004027 0.002249	0.001990 0.000933	0.012448 0.004818
5.0	0.015791	0.007323	0.001425	0.005037	0.003073	0.001314	0.000452	0.001914
6.0	0.013130	0.003417	0.000468	0.001165	0.002243	0.000497	0.000115 0.000032	0.000321
7.0 8.0	0.011278 0.009920	0.001642 0.000807	0.000157 0.000053	0.000274 0.000065	0.001775 0.001481	0.000207 0.000092	0.000009	0.000057 0.000011
9.0	0.008885	0.000403	0.000018	0.000016	0.001281	0.000043	0.000003	0.000002
10.0	0.008070	0.000205	0.000006	0.000004	0.001139	0.000021	0.000001	0.000000
					FACTORS (cm		T CUANNET	
ĸ	1		MNIDIRECTION LET CHANNEL 3		FACTORS (cm iply by 10 ⁻³ 1		T CHAMNEL 3	4
	_	HIL 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³ 1	LOLE 2	3	,
N 0.1 0.2	1 1.401925 1.324757	HIL	ET CHANNEL	mult	iply by 10^{-3}	LOLE		4 47.031857 35.173164
0.1 0.2 0.3	1.401925 1.324757 1.254424	2.380196 2.117160 1.888631	3.634958 3.159377 2.751717	#ult 4 4.665185 3.867864 3.218203	1.001261 0.772664 0.600593	LOLE 2 5.381369 4.081845 3.113673	3 5.394440 4.083749 3.107594	47.031857 35.173164 26.416788
0.1 0.2 0.3 0.4	1.401925 1.324757 1.254424 1.190180	NIL 2 2.380196 2.117160 1.888631 1.689327	3.634958 3.159377 2.751717 2.401316	4.665185 3.867864 3.218203 2.686382	1.001261 0.772664 0.600593 0.470329	10LE 2 5.381369 4.081845 3.113673 2.388894	3 5.394440 4.083749 3.107594 2.377261	47.031857 35.173164
0.1 0.2 0.3 0.4 0.5	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438	NII 2 2.380196 2.117160 1.888631 1.689327 1.514866 1.361634	3.634958 3.159377 2.751717 2.401316 2.099343 1.838467	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538
0.1 0.2 0.3 0.4 0.5 0.6	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861	NII 2 2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595	3.634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561	4.665185 3.867864 3.218203 2.686382 2.229138 1.888193 1.589118	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266 1.117791	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 1.098757	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293
0.1 0.2 0.3 0.4 0.5	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438	NII 2 2.380196 2.117160 1.888631 1.689327 1.514866 1.361634	3.634958 3.159377 2.751717 2.401316 2.099343 1.838467	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.982201 0.901103	HIL 2 2.380196 2.117160 1.888631 1.68937 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283	3 .634958 3 .159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486	4.665185 3.867864 3.218203 2.686382 2.229138 1.888193 1.569118 1.340454 1.133043 0.959540	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502	5.381369 4.081845 3.113673 2.3883612 1.431266 1.117791 0.878196 0.694055 0.551749	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 0.858585 0.674416 0.532470	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123
0.1 0.2 0.3 9.4 0.5 0.6 0.7 0.8 0.9 1.0	1.401925 1.324757 1.254424 1.190180 1.131376 1.027861 0.982201 0.940064 0.901103 0.865008	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401	3 .634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822	4.665185 3.867864 3.218203 2.686382 2.249138 1.388193 1.589118 1.340454 1.133043 0.959540 0.814010	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.154544 0.127502 0.105372	5.381369 4.081845 3.113673 2.388994 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 1.098757 0.858585 0.674416 0.532470 0.422504	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303	3.634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193 1.549118 1.340454 1.133043 0.955540 0.814010 0.651645 0.588526	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.073580	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 0.858585 0.674416 0.532470 0.422504 0.269874	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.771335	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.74443 0.681303 0.621035	3 .634958 3 .159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156 0.668068	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193 1.569118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.062149	5.381369 4.081845 3.113673 2.388841 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.098757 0.858585 0.674416 0.532470 0.4326881 0.269874 0.217177	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303	3.634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193 1.549118 1.340454 1.133043 0.955540 0.814010 0.651645 0.588526	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.073580	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 0.858585 0.674416 0.532470 0.422504 0.269874	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316
0.1 0.2 0.3 9.4 0.5 9.6 0.7 0.8 9.0 1.1 1.2 1.3 1.4 1.5 1.6	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.771335 0.744255 0.718941 0.695240	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856	3 .634958 3 .159377 2 .751717 2 .401316 2 .099343 1 .838467 1 .612561 1 .416515 1 .246030 1 .097486 0 .067822 0 .854448 0 .755156 0 .668068 0 .591575 0 .524301 0 .465061	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193 1.569118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.19596 0.155454 0.127502 0.105372 0.073580 0.062149 0.052857 0.045254 0.038996	5.381369 4.081845 3.113673 2.388994 1.443612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798 0.233121 0.190470 0.156399 0.129038	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 0.858585 0.674416 0.532470 0.422504 0.217177 0.175531 0.142463 0.116084	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.865008 0.800354 0.771335 0.744255 0.718941 0.673013	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962	3 .634958 3 .159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416513 1.296030 1.097486 0.967822 0.854448 0.755156 0.668068 0.591575 0.524301 0.465061 0.412834	4.665185 3.867864 3.218203 2.686382 2.249138 1.589118 1.34045 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.073580 0.062149 0.052857 0.045254 0.038996 0.033812	1.0LE 2 5.381369 4.081845 3.113673 2.3883612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.286798 0.233121 0.190470 0.156399 0.129038 0.106955	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.098757 0.858585 0.674416 0.532470 0.422504 0.356881 0.259874 0.217177 0.175531 0.142463 0.116084 0.094948	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.771335 0.744255 0.718941 0.695240 0.673013 0.652133 0.632491	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.397823 0.365037	3 .634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156 0.669057 0.524301 0.465061 0.465061 0.12834 0.366742	4.665185 3.867864 3.218203 2.686382 2.249138 1.380118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.073580 0.062149 0.052857 0.045254 0.038996 0.038996 0.038912 0.039493 0.025875	5.381369 4.081845 3.113673 2.388994 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798 0.233121 0.190470 0.156399 0.129038 0.1089042 0.074442	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 1.413557 0.858585 0.674416 0.532470 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.097940 0.064197	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571
0.1 0.2 0.3 9.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.771335 0.744255 0.718941 0.695240 0.673013 0.652133 0.632491 0.596525	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.365037 0.365037	3 .634958 3 .159377 2 .751717 2 .401316 2 .099343 1 .838467 1 .612561 1 .416515 1 .246030 1 .097486 0 .967822 0 .854448 0 .755156 0 .668068 0 .591575 0 .524301 0 .465061 0 .412834 0 .366742 0 .326019 0 .258132	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193 1.569118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.195996 0.155454 0.127502 0.105372 0.087733 0.073580 0.062149 0.052857 0.038996 0.038812 0.029493 0.025875 0.020244	5.381369 4.081845 3.113673 2.3884612 1.431266 1.117791 0.878196 0.594055 0.551749 0.441155 0.286798 0.233121 0.190470 0.156399 0.129038 0.106955 0.089042 0.074442 0.0526566	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 0.858585 0.674416 0.332470 0.422504 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.094948 0.077940 0.064197 0.043969	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.771335 0.744255 0.718941 0.695240 0.673013 0.652133 0.632491	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.397823 0.365037	3 .634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156 0.669057 0.524301 0.465061 0.465061 0.12834 0.366742	4.665185 3.867864 3.218203 2.686382 2.249138 1.380118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.073580 0.062149 0.052857 0.045254 0.038996 0.038996 0.038912 0.039493 0.025875	5.381369 4.081845 3.113673 2.388994 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798 0.233121 0.190470 0.156399 0.129038 0.1089042 0.074442	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 1.413557 0.858585 0.674416 0.532470 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.097940 0.064197	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.771335 0.744255 0.718941 0.695240 0.673013 0.652133 0.632491 0.596525 0.59628	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.521035 0.566824 0.517967 0.473856 0.433962 0.397823 0.365037 0.308152 0.260959 0.221624 0.188703	3 .634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156 0.668068 0.5691675 0.524301 0.465061 0.465061 0.412834 0.326019 0.258132 0.204858 0.162919 0.129812	4.665185 3.867864 3.218203 2.686382 2.249138 1.380454 1.133043 0.959540 0.814010 0.651645 0.588552 0.267266 0.501445 0.227770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497 0.106690 0.078957	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.1527502 0.105372 0.087733 0.073580 0.062149 0.052857 0.045254 0.038996 0.038996 0.038996 0.038996 0.038996 0.038996	5.381369 4.081845 3.113673 2.388994 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798 0.233121 0.190470 0.156399 0.129038 0.1069052 0.074442 0.052656 0.037798 0.027502 0.020260	3 5.394440 4.083749 3.107594 2.377261 1.828257 0.858585 0.674416 0.532470 0.422504 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.097940 0.064197 0.043969 0.030465 0.021328 0.015071	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196 0.16181 0.106856 0.071118
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.8 3.0	1.401925 1.324757 1.254424 1.190180 1.131376 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.714255 0.718941 0.675240 0.6752013 0.652133 0.632491 0.596525 0.596525	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.397823 0.365037 0.308152 0.260959 0.221624 0.188703 0.161045	3 .634958 3 .159377 2 .751717 2 .401316 2 .099343 1 .838467 1 .612561 1 .416515 1 .246030 1 .097486 0 .967822 0 .854428 0 .755156 0 .668068 0 .591575 0 .52430 0 .465061 0 .412834 0 .366742 0 .326019 0 .258132 0 .204858 0 .126219 0 .258132 0 .204858 0 .162919 0 .129812 0 .103610	4.665185 3.867864 3.218203 2.686382 2.249138 1.888193 1.569118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497 0.106690 0.789552 0.043499	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.19596 0.155454 0.127502 0.105372 0.062149 0.052857 0.062149 0.052857 0.045254 0.038996 0.033812 0.029493 0.029493 0.016164 0.013151 0.010885 0.009152	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266 1.117791 0.878196 0.594055 0.551749 0.441155 0.286798 0.233121 0.190470 0.156399 0.129038 0.106955 0.089042 0.074442 0.052656 0.037798 0.027260 0.015096	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.098757 0.858585 0.674416 0.332470 0.422504 0.336881 0.269874 0.217177 0.175531 0.116084 0.094948 0.0764197 0.043969 0.030465 0.021328 0.015071 0.010739	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196 0.161814 0.106856 0.071118
0.1 0.2 0.3 9.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0	1.401925 1.324757 1.254424 1.190180 1.131376 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.7744255 0.718941 0.695240 0.673013 0.652133 0.632491 0.596525 0.596526 0.509628 0.435904 0.435904 0.395302	2.380196 2.117160 1.888631 1.689327 1.51866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.397823 0.365037 0.308152 0.260959 0.221624 0.188703 0.161045 0.109326 0.075010	3 .634958 3.159377 2.751717 2.401316 2.09343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156 0.668068 0.591575 0.524301 0.456061 0.412834 0.366742 0.326019 0.258132 0.204658 0.162919 0.129812 0.036172	4.665185 3.867864 3.218203 2.686382 2.249138 1.3808193 1.589118 1.34045 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497 0.106690 0.078957 0.058552 0.043499 0.020831 0.010055	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.075580 0.062149 0.052857 0.045254 0.038996 0.033812 0.029493 0.025875 0.020244 0.013151 0.010885 0.001656	5.381369 4.081645 3.113673 2.388894 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798 0.233121 0.190470 0.156399 0.129038 0.106955 0.089042 0.074442 0.052656 0.037798 0.027502 0.020260 0.01564 0.007564	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 1.098757 0.858585 0.674416 0.532470 0.422504 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.094948 0.077940 0.064197 0.043969 0.030465 0.021328 0.015071 0.010739 0.004749 0.002181	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196 0.161814 0.106856 0.071118 0.047684 0.017987 0.006995
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.0	1.401925 1.324757 1.254424 1.190180 1.131376 1.077438 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.771335 0.744255 0.718941 0.695240 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.652133 0.632491 0.596525 0.564421 0.596525 0.56483 0.435904	2.380196 2.117160 1.888631 1.689327 1.514866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.395037 0.308152 0.262624 0.188703 0.161045 0.109326 0.075010 0.051915	3 .634958 3.159377 2.751717 2.401316 2.099343 1.838467 1.612561 1.416515 1.246030 1.097486 0.967822 0.854448 0.755156 0.568068 0.591575 0.524301 0.465061 0.465061 0.42834 0.326019 0.258132 0.268132 0.26919 0.129812 0.103610 0.059355 0.034272 0.019918	4.665185 3.867864 3.218203 2.686382 2.249138 1.380454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497 0.106690 0.078957 0.058552 0.043499 0.020831 0.010055 0.004883	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.073580 0.062149 0.052857 0.045254 0.038996 0.038996 0.038915 0.020244 0.016164 0.013151 0.010885 0.009152 0.004656 0.003637	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266 1.117791 0.878196 0.694055 0.351749 0.441155 0.354723 0.286798 0.129038 0.1090470 0.156399 0.129038 0.106955 0.087798 0.027502 0.020260 0.015096 0.007564 0.007564 0.007564	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.098757 0.858585 0.674416 0.532470 0.422504 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.097940 0.064197 0.043969 0.030465 0.021328 0.015071 0.010739 0.004749 0.004749 0.004749	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196 0.16181 0.106856 0.071118 0.047664 0.017985 0.006995 0.002785
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0	1.401925 1.324757 1.254424 1.190180 1.131376 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800354 0.7744255 0.718941 0.695240 0.673013 0.652133 0.632491 0.596525 0.596526 0.509628 0.435904 0.435904 0.395302	2.380196 2.117160 1.888631 1.6898631 1.5914866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.397823 0.305037 0.308152 0.260959 0.221624 0.188703 0.161045 0.109326 0.075010 0.051915 0.036191 0.017897	.ET CHAMMEL 3 3.634958 3.159377 2.751717 2.401316 2.093343 1.838467 1.612561 1.41651 1.246030 1.097486 0.967822 0.854448 0.755156 0.668068 0.591575 0.524301 0.4455061 0.412834 0.366742 0.2580132 0.204858 0.162919 0.2580132 0.204858 0.162919 0.29812 0.103610 0.059355 0.034272 0.019918 0.004027	4.665185 3.867864 3.218203 2.686382 2.249138 1.3808193 1.589118 1.34045 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497 0.106690 0.078957 0.058552 0.043499 0.020831 0.010055	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.075580 0.062149 0.052857 0.045254 0.038996 0.033812 0.029493 0.025875 0.020244 0.013151 0.010885 0.001656	5.381369 4.081845 3.113673 2.388492 1.4431266 1.117791 0.878196 0.591495 0.441155 0.354739 0.129039 0.129039 0.129039 0.129039 0.129039 0.006955 0.089042 0.074442 0.052656 0.037798 0.027502 0.002260 0.015096 0.007564 0.004007 0.002226 0.001288	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.413557 1.098757 0.858585 0.674416 0.532470 0.422504 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.094948 0.077940 0.064197 0.043969 0.030465 0.021328 0.015071 0.010739 0.004749 0.002181	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196 0.161814 0.106856 0.071118 0.047684 0.017987 0.006995
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6 0.7	1.401925 1.324757 1.254424 1.190180 1.131376 1.027861 0.982201 0.940064 0.901193 0.865008 0.831505 0.800354 0.718941 0.695240 0.673013 0.652133 0.632491 0.596525 0.596525 0.596525 0.596525 0.596525 0.486083 0.435904 0.3335702 0.361763 0.3335702 0.361763 0.288735 0.288735	2.380196 2.117160 1.888631 1.689327 1.51866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.397823 0.365037 0.308152 0.260959 0.221624 0.188703 0.161045 0.109326 0.075010 0.051915 0.036191 0.017897 0.009011	3 .634958 3 .159377 2 .751717 2 .401316 2 .09343 1 .838467 1 .612561 1 .416515 1 .246030 1 .097486 0 .967822 0 .854448 0 .755156 0 .668068 0 .591575 0 .524301 0 .465061 0 .412834 0 .366742 0 .326019 0 .258132 0 .204858 0 .162919 0 .129812 0 .103610 0 .059355 0 .034272 0 .011639 0 .004027 0 .001413	4.665185 3.867864 3.218203 2.686382 2.249138 1.3808193 1.589118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497 0.106690 0.078957 0.058552 0.043499 0.022831 0.010055 0.004383 0.002384 0.000575 0.000140	1.001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.075380 0.062149 0.052857 0.045254 0.038996 0.033812 0.029493 0.025875 0.020244 0.016164 0.013151 0.010885 0.0016164 0.013151 0.010885 0.004656 0.003637 0.004656 0.003637 0.002163 0.002163	5.381369 4.081845 3.113673 2.388894 1.843612 1.431266 1.117791 0.878196 0.694055 0.551749 0.441155 0.354723 0.286798 0.233121 0.190470 0.156399 0.129038 0.106955 0.089042 0.074442 0.052656 0.037798 0.027502 0.020260 0.015096 0.015096 0.015096 0.001288 0.000407 0.002226 0.001288 0.000477 0.000195	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.098757 0.858585 0.674416 0.532470 0.422504 0.336881 0.269874 0.217177 0.175531 0.142463 0.116084 0.094948 0.077940 0.066197 0.043969 0.030465 0.021328 0.015071 0.010739 0.004749 0.002181 0.001032 0.000502 0.0000126 0.000034	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196 0.161814 0.106856 0.071118 0.047664 0.017987 0.006995 0.002785 0.001130 0.000194 0.000035
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0	1.401925 1.324757 1.254424 1.190180 1.131376 1.027861 0.982201 0.940064 0.901103 0.865008 0.831505 0.800355 0.744255 0.718941 0.675240 0.675243 0.652133 0.632491 0.596525 0.486083 0.435904 0.395302 0.33570 0.333570 0.288735	2.380196 2.117160 1.888631 1.6898631 1.5914866 1.361634 1.226595 1.107219 1.001381 0.907283 0.823401 0.748443 0.681303 0.621035 0.566824 0.517967 0.473856 0.433962 0.397823 0.305037 0.308152 0.260959 0.221624 0.188703 0.161045 0.109326 0.075010 0.051915 0.036191 0.017897	.ET CHAMMEL 3 3.634958 3.159377 2.751717 2.401316 2.093343 1.838467 1.612561 1.41651 1.246030 1.097486 0.967822 0.854448 0.755156 0.668068 0.591575 0.524301 0.4455061 0.412834 0.366742 0.2580132 0.204858 0.162919 0.2580132 0.204858 0.162919 0.29812 0.103610 0.059355 0.034272 0.019918 0.004027	4.665185 3.867864 3.218203 2.686382 2.299138 1.888193 1.569118 1.340454 1.133043 0.959540 0.814010 0.651645 0.588526 0.501445 0.427770 0.365329 0.312325 0.267266 0.228910 0.196219 0.144497 0.106690 0.078957 0.058552 0.004883 0.002384 0.000575	1001261 0.772664 0.600593 0.470329 0.371123 0.295107 0.236490 0.190996 0.155454 0.127502 0.105372 0.087733 0.073580 0.062149 0.052857 0.045254 0.033812 0.029493 0.025875 0.033812 0.029493 0.025875 0.038996 0.033812 0.029493 0.025875 0.045656 0.03666 0.004656 0.004656 0.002163	5.381369 4.081845 3.113673 2.388492 1.4431266 1.117791 0.878196 0.591495 0.441155 0.354739 0.129039 0.129039 0.129039 0.129039 0.129039 0.006955 0.089042 0.074442 0.052656 0.037798 0.027502 0.002260 0.015096 0.007564 0.004007 0.002226 0.001288	3 5.394440 4.083749 3.107594 2.377261 1.828257 1.098757 0.858585 9.674416 0.532470 0.422504 0.336881 0.26881 0.26881 0.217177 0.175531 0.142463 0.116084 0.094948 0.077940 0.064197 0.043969 0.030465 0.021328 0.015071 0.01032 0.001032 0.001032 0.000126	47.031857 35.173164 26.416788 19.926260 15.095930 11.486538 8.778293 6.737639 5.193513 4.020123 3.124669 2.438425 1.910316 1.502223 1.185596 0.938971 0.746130 0.594781 0.475571 0.381351 0.247196 0.161814 0.106856 0.071118 0.047664 0.017987 0.006995 0.002785 0.001130 0.000194

TABLE 15 F. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 75$

				L GEOMETRIC	FACTORS (cm²			
H	1	S NIF	ET CHANNEL. 3	4	1	5 F01	LET CHANNEL 3	4
0.1	0.131952	0.880959	0.694391	12.841805	2.273016	11.390688	11.101196	187.174301
0.2	0.121884	0.769269	0.595337	10.583829	1.690629	8.393844	8.165581	136.802444
0.3 0.4	0.112844 0.104711	0.674005 0.592416	0.511712 0.440887	8.755233 7.267242	1.265016 0.952624	6.214825 4.624549	6.032595 4.4772 5 4	100.347511 73.883156
0.5	0.097380	0.522265	0.380720	6.050993	0.722279	3.459349	3.338852	54.609509
0.6	0.090758	0.461719	0.329459	5.052683	0.551595	2.602010	2.502312	40.525570
0.7 0.8	0.084765 0.079332	0.409273 0.363688	0.285665 0.248152	4.230093 3.549858	0.424458 0.329231	1.968403 1.497949	1.885025 1.427538	30.197636 22.596479
0.9	0.074397	0.323935	0.215940	2.985484	0.257488	1.146933	1.086934	16.981058
1.0	0.069905 0.065809	0.289159 0.258647	0.188216 0.164301	2.515826 2.123896	0.203106 0.161618	0. 883689 0.685220	0.832156 0.649643	12.816467 9.715529
1.2	0.062068	0.231803	0.143630	1.795998	0.129754	0.534764	0.495964	7.397155
1.3	0.058644	0.208121	0.125727	1.521024	0.105114	0.420059	0.386104	5.656660
1.4 1.5	0.055505 0.052622	0.187179 0.168614	0.110194 0. 09 6693	1.289945 1.095365	0.085923 0.070867	0.332102 0.264257	0.302244 0.237894	4.344479 3.351022
1.6	0.049971	0.152120	0.084941	0.931228	0.058969	0.211611	0.188250	2.595656
1.7	0.047527	0.137436	0.074694 0.065748	0.792546 0.675191	0.049496 0.041897	0.170514 0.138236	0.149747 0.119726	2.018875 1.576592
1.8 1.9	0.045271 0.043186	0.124337 0.112630	0.057926	0.575743	0.035757	0.136236	0.096194	1.236022
2.0	0.041255	0.102148	0.051079	0.491364	0.030758	0.092465	0.077655	0.972690
2.2 2.4	0.037801 0.034812	0.084305 0.069867	0.039814 0.031124	0.358728 0.262623	0.023274 0.018103	0.063229 0. 044 126	0.0512 89 0.034440	0.608907 0.386320
2.6	0.032211	0.058120	0.024395	0.192731	0.014434	0.031371	0.023473	0.248106
2.8	0.029934	0.048513	0.019167	0.141743	0.011766	0.022682	0.016214	0.161105
3.0 3.5	0.027931 0.023864	0.040622 0.026381	0.015092 0.008371	0.104443 0.049025	0.009782 0.006623	0.016652 0.008147	0.011334 0.004839	0.105651 0.038169
4.0	0.020789	0.017390	0.004691	0.023206	0.004862	0.004269	0.002174	0.014380
4.5 5.0	0.018404	0.011609	0.002651	0.011060	0.003789	0.002364 0.001370	0.001016 0.000490	0.005594 0.002232
6.0	0.016512 0.013723	0.007833 0.003661	0.001509 0.000497	0.005301 0.001234	0.003087 0.002250	0.000511	0.000123	0.002232
7.0	0.011781	0.001761	0.000167	0.000292	0.001781	0.000211	0.000033	0.000067
8.0 9.0	0.010357 0.009273	0.000865 0.000433	0.000057 0.000020	0.000070 0.000017	0.001487 0.001289	0.000094 0.000044	0.000010 0.000003	0.000012 0.000002
10.0	0.008420	0.000220	0.000007	0.000004	0.001147	0.000021	100000.0	0.000000
		DOSE O	MIDIRECTION	AL GEOMETRIC	FACTORS (cm	MeV)		
		HI	LET CHANNEL	mult	FACTORS (cm ²	LOLE	T CHANNEL	
*	1						T CHANNEL	4
0.1	1.419316	HII 2 2.348796	3.539311	mult 4 4.393908	1.037290	LOLE 2 5.630347	3 5.622173	49.545372
0.1 0.2	1.419316 1.343042	HII 2 2.348796 2.094949	3.539311 3.083252	mult 4 4.393908 3.655261	1.037290 0.801168	LOLE 2 5.630347 4.279765	3 5.622173 4.265288	49.545372 37.129948
0.1 0.2 0.3 0.4	1.419316 1.343042 1.273404 1.209686	HII 2 2.348796 2.094949 1.873735 1.680224	3.539311 3.083252 2.691329 2.353613	#ult 4 4.393908 3.655261 3.051230 2.555004	1.037290 0.801168 0.623314 0.488571	5.630347 4.279765 3.271919 2.516116	3 5.622173 4.265288 3.253041 2.494354	49.545372 37.129948 27.947756 21.129648
0.1 0.2 0.3 0.4 0.5	1.419316 1.343042 1.273404 1.209686 1.151266	2.348796 2.094949 1.873735 1.680224 1.510338	3.539311 3.083252 2.691329 2.353613 2.061858	4.393908 3.655261 3.051230 2.555004 2.145594	1.037290 0.801168 0.623314 0.488571 0.385875	5.630347 4.279765 3.271919 2.516116 1.946439	3 5.622173 4.265288 3.253041 2.494354 1.922959	49.545372 37.129948 27.947756 21.129648 16.046150
0.1 0.2 0.3 0.4 0.5 0.6	1.419316 1.343042 1.273404 1.209686	HII 2 2.348796 2.094949 1.873735 1.680224	3.539311 3.083252 2.691329 2.353613	#ult 4 4.393908 3.655261 3.051230 2.555004	1.037290 0.801168 0.623314 0.488571	5.630347 4.279765 3.271919 2.516116	3 5.622173 4.265288 3.253041 2.494354	49.545372 37.129948 27.947756 21.129648
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170	#ult 4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933	4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397 1.092651	101y by 10 ³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170	#ult 4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580	4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680	5.630347 4.279765 3.271919 2.516116 1.946439 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.451276 0.360742	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.11200 1.006982 0.914081 0.831061 0.756695 0.689931	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974	4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.716621 0.567262 0.451276 0.360742 0.289717	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.793108	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739	4.393908 3.655261 3.051230 2.555004 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841	3 5.622173 4.265288 3.233041 2.494354 1.922959 1.490482 1.161495 0.909950 0.7166262 0.451276 0.360742 0.233718 0.189352	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.660206 0.590739 0.524251	4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.357585	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.065261 0.047306	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841 0.169329	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.451276 0.360742 0.289717 0.233718 0.189352 0.154035	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.855275 0.8551638 0.820319 0.791108 0.763813 0.738270 0.714325	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.5256832 0.482601	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739	4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.357585 0.306248	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205829 0.139941	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 0.716621 0.567262 0.451276 0.360742 0.289717 0.233718 0.189352 0.125794	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.482601 0.442525 0.406156	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739 0.524251 0.465606 0.413822 0.368049	4.393908 3.655261 3.051230 2.555004 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.357585 0.306248 0.262514 0.225207	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488575 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.251437 0.205841 0.169329 0.139941 0.116167 0.096840	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.451276 0.360742 0.233718 0.189352 0.154035 0.125794 0.103109 0.084811	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.655174 0.525279
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.482601 0.442525 0.406156 0.373106	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.49580 0.455606 0.413822 0.368049 0.327549	4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.36248 0.262514 0.225207 0.193348	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.047306 0.040751 0.035318 0.030789 0.026991	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841 0.169329 0.139941 0.116167 0.096840	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.451276 0.360742 0.289717 0.233718 0.189352 0.154035 0.125794 0.103109 0.084811 0.069991	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.655174 0.555279
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.482601 0.442525 0.406156	3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739 0.524251 0.465606 0.413822 0.368049	4.393908 3.655261 3.051230 2.555004 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.357585 0.306248 0.262514 0.225207	101y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488575 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.251437 0.205841 0.169329 0.139941 0.116167 0.096840	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.451276 0.360742 0.233718 0.189352 0.154035 0.125794 0.103109 0.084811	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.655174 0.525279
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806 0.614310 0.581679 0.552350	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.6829868 0.575725 0.526832 0.482601 0.442525 0.482601 0.442525 0.406156 0.373106 0.373106	3 . 539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739 0.524251 0.465606 0.413822 0.368049 0.327549 0.259894 0.206661 0.164654	4.393908 3.655261 3.051230 2.555004 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.357585 0.306248 0.262514 0.262514 0.262514 0.262510 0.105730 0.078447	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488575 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789 0.026991 0.021077 0.016791	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.251437 0.205841 0.169329 0.139941 0.116167 0.096840 0.081056 0.057436	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.451276 0.360742 0.233718 0.189352 0.154035 0.125794 0.103109 0.084811 0.069991 0.048108 0.033437 0.023472	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.655174 0.525279 0.422331 0.275175 0.181020 0.120101
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.670709 0.650806 0.614310 0.581679	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.442525 0.482601 0.442525 0.406156 0.373106 0.373106	3 . 539311 3. 083252 2. 691329 2. 353613 2. 061858 1. 809203 1. 589911 1. 399170 0. 960817 0. 849580 0. 751974 0. 666206 0. 590739 0. 524251 0. 465606 0. 413822 0. 368049 0. 327549 0. 2259894 0. 206661	4.393908 3.655261 3.051230 2.555004 2.145594 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.462514 0.225207 0.193348 0.142805 0.105730 0.078447 0.058312	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.04751 0.035318 0.030789 0.026991 0.021077 0.016791	5.630347 4.279765 3.271919 2.516116 1.946439 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841 0.1669329 0.139941 0.116167 0.996840 0.081056 0.057436 0.041274	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.451276 0.360742 0.283718 0.189352 0.154035 0.125794 0.103109 0.084811 0.068918 0.033437	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.655174 0.525279 0.422331 0.275175 0.181020
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5 3.5	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806 0.614310 0.581679 0.552350 0.525863 0.501833 0.450528	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.482601 0.442525 0.482601 0.373106 0.3115627 0.227830 0.194294 0.166058 0.113082	3 . 539311 3. 083252 2. 691329 2. 353613 2. 061858 1. 809203 1. 589911 1. 399170 0. 960817 0. 849580 0. 751974 0. 666206 0. 590739 0. 524251 0. 465606 0. 413822 0. 368049 0. 327549 0. 2259894 0. 206661 0. 164654 0. 131416 0. 105056 0. 060394	4.393908 3.655261 3.051230 2.55504 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.306248 0.262514 0.225207 0.193348 0.142805 0.105730 0.078447 0.058312 0.043416 0.020895	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789 0.026991 0.021077 0.016791 0.013624 0.011244 0.009426 0.006441	5.630347 4.279765 3.271919 2.516116 1.946439 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841 0.1669329 0.139941 0.116167 0.096840 0.081056 0.057436 0.041274 0.030042 0.022125 0.016471 0.008216	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.7166262 0.451276 0.360742 0.289717 0.233718 0.189352 0.154035 0.125794 0.103109 0.084811 0.069991 0.048108 0.033437 0.023472 0.0116624 0.011867	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295166 1.028615 0.819637 0.655174 0.525279 0.422331 0.275175 0.181020 0.120101 0.080289 0.054037 0.050587
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 8 3.0 3.0 3.0 3.0 4.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806 0.614310 0.581679 0.552350 0.525863 0.501833 0.450528 0.408928	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.6829868 0.575725 0.526832 0.482601 0.442525 0.406156 0.373106 0.373106 0.373106 0.373106 0.373106 0.373106	3 . 539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739 0.524251 0.465606 0.413822 0.368049 0.327549 0.296661 0.164654 0.131416 0.105056 0.060394 0.034976	4.393908 3.655261 3.051230 2.555004 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.306248 0.262514 0.225207 0.193348 0.142805 0.105730 0.078447 0.058312 0.043416 0.020895 0.010128	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488575 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789 0.026991 0.021077 0.016791 0.013624 0.011244 0.004731	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380845 0.251437 0.205841 0.169329 0.139941 0.116167 0.096840 0.081056 0.057436 0.041274 0.022125 0.016471 0.004321	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.766221 0.567262 0.360742 0.289717 0.233718 0.189352 0.154035 0.125794 0.084811 0.069991 0.048108 0.033437 0.023472 0.016624 0.01867 0.005264	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.655174 0.525279 0.422331 0.275175 0.181020 0.120101 0.080289 0.054037 0.020587 0.020587
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5 3.5	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806 0.614310 0.581679 0.552350 0.525863 0.501833 0.450528	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.482601 0.442525 0.482601 0.373106 0.3115627 0.227830 0.194294 0.166058 0.113082	3 . 539311 3. 083252 2. 691329 2. 353613 2. 061858 1. 809203 1. 589911 1. 399170 0. 960817 0. 849580 0. 751974 0. 666206 0. 590739 0. 524251 0. 465606 0. 413822 0. 368049 0. 327549 0. 2259894 0. 206661 0. 164654 0. 131416 0. 105056 0. 060394	4.393908 3.655261 3.051230 2.55504 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.306248 0.262514 0.225207 0.193348 0.142805 0.105730 0.078447 0.058312 0.043416 0.020895	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789 0.026991 0.021077 0.016791 0.013624 0.011244 0.009426 0.006441	5.630347 4.279765 3.271919 2.516116 1.946439 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841 0.1669329 0.139941 0.116167 0.096840 0.081056 0.057436 0.041274 0.030042 0.022125 0.016471 0.008216	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.7166262 0.451276 0.360742 0.289717 0.233718 0.189352 0.154035 0.125794 0.103109 0.084811 0.069991 0.048108 0.033437 0.023472 0.0116624 0.011867	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295166 1.028615 0.819637 0.655174 0.525279 0.422331 0.275175 0.181020 0.120101 0.080289 0.054037 0.050587
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 4.5 5 6.0	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806 0.614310 0.581679 0.552350 0.501833 0.450528 0.408928 0.345543 0.345543	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.442525 0.442525 0.442525 0.462601 0.373106 0.3115627 0.227830 0.113082 0.113082 0.077787 0.053953 0.037681 0.018688	3 3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739 0.524251 0.465606 0.413822 0.368049 0.327549 0.227549 0.2259894 0.327549	4.393908 3.655261 3.051230 2.55504 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.306248 0.262514 0.225207 0.193348 0.142805 0.105730 0.078447 0.058312 0.0433416 0.020895 0.10128 0.004937 0.002418 0.000586	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789 0.026991 0.021077 0.016791 0.013624 0.011244 0.004731 0.0036789 0.002990 0.002990 0.002174	5.630347 4.279765 3.271919 2.516116 1.946439 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841 0.16167 0.96840 0.081056 0.057436 0.057436 0.041274 0.030042 0.022125 0.016471 0.008216 0.002380 0.001364 0.0001364	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.7166262 0.451276 0.360742 0.289717 0.233718 0.189352 0.154035 0.103109 0.084811 0.069991 0.048108 0.033437 0.023472 0.0116624 0.011867 0.005264 0.00145 0.000139	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.6555774 0.525279 0.422331 0.275175 0.181020 0.120101 0.080289 0.054037 0.020587 0.003271 0.003226 0.001321 0.000229
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.6 8 3.0 5.0 6 6 6 6 7.0 6 7.0 6 7.0 6 7.0 6 7.0 6 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806 0.614310 0.581679 0.552350 0.525863 0.501833 0.450528 0.408928 0.374509 0.345543 0.299413 0.264220	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.6829868 0.575725 0.526832 0.482601 0.442525 0.406156 0.373106 0.37627 0.227830 0.194294 0.166058 0.113082 0.077787 0.053953 0.037681 0.077787	3 3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739 0.524251 0.465606 0.413822 0.368049 0.327549 0.226661 0.164654 0.131416 0.105056 0.060394 0.034976 0.020379 0.011934 0.004148 0.001458	4.393908 3.655261 3.051230 2.555004 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.306248 0.42805 0.105730 0.078447 0.058312 0.043416 0.020895 0.010128 0.004937 0.002418 0.000486	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488575 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789 0.026991 0.021077 0.016791 0.013624 0.011244 0.004731 0.003678 0.002990 0.002174	5.630347 4.279765 3.271919 2.516116 1.946439 1.514789 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.251437 0.205841 0.169329 0.139941 0.116167 0.096840 0.081056 0.057436 0.041274 0.081056 0.057436 0.041274 0.002125 0.016471 0.004321 0.004321 0.004321 0.004364 0.000496	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.716621 0.567262 0.360742 0.289717 0.233718 0.189352 0.154035 0.125794 0.103109 0.084811 0.069991 0.048108 0.033437 0.023472 0.016624 0.011867 0.005556 0.0005264 0.000145 0.000139 0.000037	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.655174 0.525279 0.422331 0.275175 0.181020 0.120101 0.080289 0.054037 0.026037 0.003236 0.001321 0.000229 0.0000229
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 4.5 5 6.0	1.419316 1.343042 1.273404 1.209686 1.151266 1.097594 1.048181 1.002601 0.960475 0.921466 0.885275 0.851638 0.820319 0.791108 0.763813 0.738270 0.714325 0.691847 0.670709 0.650806 0.614310 0.581679 0.552350 0.501833 0.450528 0.408928 0.345543 0.345543	2.348796 2.094949 1.873735 1.680224 1.510338 1.360689 1.228436 1.111200 1.006982 0.914081 0.831061 0.756695 0.689931 0.629868 0.575725 0.526832 0.442525 0.442525 0.442525 0.462601 0.373106 0.3115627 0.227830 0.113082 0.113082 0.077787 0.053953 0.037681 0.018688	3 3.539311 3.083252 2.691329 2.353613 2.061858 1.809203 1.589911 1.399170 1.232933 1.087779 0.960817 0.849580 0.751974 0.666206 0.590739 0.524251 0.465606 0.413822 0.368049 0.327549 0.227549 0.2259894 0.327549	4.393908 3.655261 3.051230 2.55504 1.806475 1.524552 1.289397 1.092651 0.927575 0.788714 0.671636 0.572709 0.488958 0.417925 0.306248 0.262514 0.225207 0.193348 0.142805 0.105730 0.078447 0.058312 0.0433416 0.020895 0.10128 0.004937 0.002418 0.000586	1p1y by 10 ⁻³ 1 1.037290 0.801168 0.623314 0.488571 0.385875 0.307116 0.246329 0.199106 0.162178 0.133105 0.110064 0.091680 0.076914 0.064976 0.055261 0.047306 0.040751 0.035318 0.030789 0.026991 0.021077 0.016791 0.013624 0.011244 0.004731 0.0036789 0.002990 0.002990 0.002174	5.630347 4.279765 3.271919 2.516116 1.946439 1.185957 0.934071 0.740049 0.589753 0.472670 0.380945 0.308682 0.251437 0.205841 0.16167 0.96840 0.081056 0.057436 0.057436 0.041274 0.030042 0.022125 0.016471 0.008216 0.002380 0.001364 0.0001364	3 5.622173 4.265288 3.253041 2.494354 1.922959 1.490482 1.161495 0.909950 0.7166262 0.451276 0.360742 0.289717 0.233718 0.189352 0.154035 0.103109 0.084811 0.069991 0.048108 0.033437 0.023472 0.0116624 0.011867 0.005264 0.00145 0.000139	49.545372 37.129948 27.947756 21.129648 16.046150 12.240123 9.378380 7.217363 5.578417 4.330018 3.374964 2.641199 2.075043 1.636395 1.295146 1.028615 0.819637 0.6555774 0.525279 0.422331 0.275175 0.181020 0.120101 0.080289 0.054037 0.020587 0.003271 0.003226 0.001321 0.000229

TABLE 15 G. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^4 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 90$

		FLUX ON	MIDIRECTION	L GFOMFTRIC	FACTORS (cm²	MeV1		
		HILE	ET CHANNEL			LOL	ET CHANNEL	
N	1	2	3	4	1	2	3	4
0.1 0.2	0.136146 0.125818	0. 8898 22 0.777873	0.700602 0.601050	12.677100 10.458866	2.361746 1.756606	11.816578 8.709689	11.481008 8.446133	192.520721 141.481247
0.2	0.125616	0.682295	0.516961	8.660847	1.314360	6.450328	6.240848	103.811821
0.4	0.108187	0.600357	0.445704	7.196378	0.989770	4.801142	4.632632	76.459831 56.534920
0.5 0.6	0.100655 0.093848	0.529832 0.468900	0.385135 0.333499	5.998183 5.013719	0.750431 0.573083	3.592546 2.703098	3.455390 2.590195	41.971092
0.7	0.087685	0.416063	0.289357	4.201713	0.440983	2.045604	1.951674	31.288242
0.8 0.9	0.082095 0.077014	0.370088 0.329952	0.251523 0.219014	3.529549 2.971298	0.342039 0.267496	1.557291 1.192841	1.478369 1.125929	23.423323 17.611038
1.0	0.072388	0.294803	0.191014	2.506263	0.210990	0.919442	0.862245	13.298853
1.1 1.2	0.068168 0.064311	0.263931 0.236741	0.166847 0.145944	2.117792 1.792462	0.167881 0.134772	0.713245 0.556877	0.663998 0.514196	10.086718 7.684182
1.3	0.060780	0.212730	0.127828	1.519373	0.109168	0.437618	0.400418	5.879645
1.4 1.5	0.057541 0.054566	0.191474 0.172613	0.112101 0.098422	1.289652 1.096034	0.089226 0.073581	0.346133 0.275537	0.313545 0.246865	4.518535 3.487491
1.6	0.051827	0.155840	0.086507	0.932556	0.061217	0.220732	0.195408	2.703130
1.7	0.049303	0.140894	0.076112 0.067030	0.794302	0.051373	0.177931	0.155488 0.124353	2.1038 69 1.644083
1.8 1.9	0.046972 0.044816	0.127549 0.115611	0.059086	0.677206 0.577892	0.043476 0.037095	0.144301 0.117718	0.124333	1.289813
2.0	0.042819	0.104914	0.052127	0.493555	0.031901	0.096580	0.080701	1.015720
2.2 2.4	0.039244 0.036149	0.086683 0.071909	0.040669 0.031820	0.360827 0.264503	0.024124 0.018751	0.066073 0.046123	0.053328 0.035824	0.636724 0.404520
2.6	0.033454	0.059871	0.024961	0.194350	0.014940	0.032794	0.024425	0.260143
2.8 3.0	0.031094 0.029016	0.050015 0.041910	0.019626 0.015464	0.143100 0.105559	0.012169 0.010109	0.023709 0.017401	0.016876 0.011799	0.169141 0.111060
3.5	0.024796	0.027257	0.008592	0.049672	0.006833	0.008502	0.005038	0.040237
4.0 4.5	0.021602	0.017988 0.012018	0.004821 0.002727	0.023564 0.011252	0.005009 0.003899	0.004446 0.002456	0.002262	0.015197 0.005925
5.0	0.019124 0.017157	0.008114	0.002727	0.005402	0.003175	0.002436	0.000509	0.003323
6.0	0.014257	0.003796	0.000513	0.001262	0.002312	0.000527	0.000127	0.000400
7.0 8.0	0.012237 0.010757	0.001826 0.000898	0.000173 0.000059	0.000299 0.000072	0.001830 0.001529	0.000217 0.000096	0.000035	0.000071 0.000013
9.0	0.009630	0.000449	0.000020	0.000017	0.001325	0.000045	0.000003	0.000003
10.0	0.008743	0.000228	0.000007	0.000004	0.001180	0.000021	0.000001	0.000001
					FACTORS (cm ²		T CHANNES	
N	i		MNIDIRECTION LET CHANNEL 3		FACTORS (cm ² iply by 10 ⁻³ 1		T CHANNEL	4
		HIL 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³ 1	LOLE 2	3	-
0.1 0.2	1.462657 1.384498	NIU 2 2.366971 2.112718	3.565388 3.107214	mult 4 4.330968 3.604954	iply by 10 ⁻³ 1 1.075218 0.830652	LOLE 2 5.786731 4.402088	3 5.763939 4.375520	50.547993 37.909531
0.1 0.2 0.3	1.462657 1.384498 1.313109	HII 2 2.366971 2.112718 1.890984	3.565388 3.107214 2.713331	mult 4 4.330968 3.604954 3.010990	1.075218 0.830652 0.646405	LOLE 2 5.786731 4.402088 3.368235	3 5.763939 4.375520 3.339279	50.547993 37.909531 28.557137
0.1 0.2	1.462657 1.384498	NIU 2 2.366971 2.112718	3.565388 3.107214	mult 4 4.330968 3.604954	iply by 10 ⁻³ 1 1.075218 0.830652	LOLE 2 5.786731 4.402088	3 5.763939 4.375520	50.547993 37.909531
0.1 0.2 0.3 0.4 0.5 0.6	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752	MII 2 2.366971 2.112718 1.890984 1.696889 1.526366 1.376039	3.565388 3.107214 2.71331 2.373797 2.080365 1.826154	mult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848	1.075218 0.830652 0.506794 0.400365 0.318727	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656	3 5.763939 4.375520 3.339279 2.562227 1.97668£ 1.533260	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839
0.1 0.2 0.3 0.4 0.5	1.462657 1.384498 1.313109 1.247767 1.187837	2.366971 2.112718 1.890984 1.696889 1.526366	3.565388 3.107214 2.713331 2.373797 2.080365	mult 4 4.330968 3.604954 3.010990 2.522806 2.119824	1.075218 0.830652 0.646405 0.506794 0.400365	5.786731 4.402088 3.368235 2.592456 2.007332	3 5.763939 4.375520 3.339279 2.562227 1.97668€	50.547993 37.909531 28.557137 21.608360 16.424067
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230	3 3.565388 3.107214 2.713331 2.373797 2.080365 1.826154 1.605426 1.413362 1.245900	mult 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100	1075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194	3 5.763939 4.375520 3.339279 2.562227 1.97668£ 1.533260 1.195739 0.937505 0.738904	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.951849	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 080365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625	#ult 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148	1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102	3 5.763939 4.375520 3.339279 2.562227 1.97668£ 1.533260 1.195739 0.937505 0.738904 0.585364	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 080365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625 0 . 971626 0 . 859436	mult 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285	1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 1.195739 0.937505 0.738904 0.585364 0.466048 0.372846	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.700515	3 3.565388 3.107214 2.713331 2.373797 2.080365 1.826154 1.605426 1.413362 1.245900 1.099625 0.971626 0.859436 0.760959	mult 4.330968 3.604954 3.010990 2.522806 2.119824 1.78848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.568456	1.075218 0.830652 0.646405 0.506794 0.400365 0.316727 0.255703 0.206730 0.168422 0.138257 0.1184343 0.095257 0.079923	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 0.937505 0.738904 0.585364 0.466048 0.4966048 0.299673	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682	#II 2 2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.705515 0.639840 0.585111	3 . 565388 3.107214 2.713331 2.373797 2.080365 1.826154 1.605426 1.413362 1.245900 1.099625 0.971626 0.259436 0.760959 0.674390 0.598188	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.368456 0.485585	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.079723 0.067522	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851 0.261592 0.214346	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 1.95739 0.937505 0.738904 0.466048 0.372846 0.299673 0.241936 0.196158	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.700515 0.6385111 0.535657	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 080365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.368456 0.485585 0.415260 0.355484	1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.07522 0.057522 0.067522	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851 0.261592 0.214346 0.176477	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.593260 1.195739 0.937505 0.738904 0.486048 0.372846 0.299673 0.241936 0.196158 0.159690	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.33941 1.064725
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.76916 0.700515 0.639849 0.585111 0.535657 0.490893 0.450309	3 . 565388 3 . 107214 2 . 713331 2 . 737379 2 . 980365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 471769 0 . 419424	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.368456 0.485585	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.079723 0.067522	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851 0.261592 0.214346	3 5.763939 4.375520 3.339279 2.562227 1.976682 1.533260 1.195739 0.937505 0.738904 0.585364 0.466048 0.372846 0.299673 0.241936 0.196158 0.159690 0.130505 0.107045	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.763383 0.763383 0.738725 0.715568 0.693789	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.705515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461	3 . 565388 3.107214 2.713331 2.773797 2.080365 1.826154 1.605426 1.413362 1.245900 1.099625 0.971626 0.859436 0.760959 0.674390 0.598188 0.531029 0.471769 0.419424 0.373139	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.485585 0.415260 0.355484 0.304601 0.261227 0.224209	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.079223 0.067522 0.057428 0.049161 0.042347 0.036698 0.031987	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 1.195739 0.937505 0.738904 0.466048 0.372846 0.299673 0.241936 0.196158 0.19690 0.130505 0.107045 0.088107	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.715568	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.76916 0.700515 0.639849 0.585111 0.535657 0.490893 0.450309	3 . 565388 3 . 107214 2 . 713331 2 . 737379 2 . 980365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 471769 0 . 419424	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.415260 0.355484 0.304601 0.261227	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.114343 0.095257 0.0779923 0.067522 0.057428 0.049161 0.042347 0.036698	5.786731 4.402088 3.368235 2.592456 1.255409 0.966102 0.766194 0.611202 0.490350 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260	3 5.763939 4.375520 3.339279 2.562227 1.976682 1.533260 1.195739 0.937505 0.738904 0.585364 0.466048 0.372846 0.299673 0.241936 0.196158 0.159690 0.130505 0.107045	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.3 1.4 1.5 1.6 1.7 1.8	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.715568 0.693789 0.635649 0.601994	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.76916 0.700515 0.639840 0.585111 0.535657 0.490893 0.413461 0.379956 0.321644 0.273079	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 980365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 471769 0 . 419424 0 . 373139 0 . 332171 0 . 263702 0 . 209795	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.415260 0.355484 0.304601 0.261227 0.224209 0.192579 0.142363 0.105490	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.114343 0.095257 0.077923 0.067522 0.057428 0.049161 0.042347 0.036698 0.031987 0.028036 0.021884 0.017423	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.060104 0.043230	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 1.195739 0.937505 0.738904 0.585364 0.466048 0.372846 0.299673 0.241936 0.196158 0.159690 0.130505 0.107045 0.088107 0.072757 0.050068 0.034836	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.286586 0.188885
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.0 2.2	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.715568 0.693789 0.673275 0.635649	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.700515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461 0.379956 0.321644	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 080365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 419424 0 . 773139 0 . 332171 0 . 263702	#ult 4 .330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.485585 0.415260 0.355484 0.304601 0.261227 0.224209 0.192579 0.192579	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.079923 0.067522 0.057428 0.042347 0.036698 0.031987	5.786731 4.402088 3.368235 2.592456 1.20270332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.20451 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.060104	3 5.763939 4.375520 3.339279 2.562227 1.97668£ 1.533260 1.195739 0.937505 0.738904 0.466048 0.372846 0.299673 0.241936 0.196158 0.19690 0.130505 0.107045 0.088107 0.088107 0.08807 0.050068	50.547993 37.99531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.2 2.4 2.6 3.0	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.78682 0.763383 0.738725 0.715568 0.693789 0.601994 0.571733 0.544395 0.519585	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.1020230 0.926638 0.842941 0.767916 0.700515 0.639840 0.585111 0.5855111 0.535657 0.490893 0.413461 0.31644 0.273079 0.232454 0.273079 0.232454 0.169602	3 . 565388 3. 107214 2. 713331 2. 373797 2. 080365 1. 826154 1. 605426 1. 413362 1. 245900 1. 099625 0. 971626 0. 859436 0. 760959 0. 674390 0. 598188 0. 531029 0. 419424 0. 773139 0. 332171 0. 263702 0. 209795 0. 167229 0. 133531 0. 106791	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.415260 0.355484 0.304601 0.261227 0.224209 0.195279 0.142363 0.105490 0.078330 0.078330	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.079923 0.067522 0.057428 0.042347 0.036698 0.031987 0.021884 0.017423 0.014128 0.01423	5.786731 4.402088 3.368235 2.592456 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.060104 0.043230 0.034886 0.023198 0.023198	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.595739 0.937505 0.738904 0.466048 0.372846 0.299673 0.241936 0.196158 0.196158 0.197045 0.082077 0.082077 0.050068 0.034836 0.024476 0.012393	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586 0.188885 0.125547 0.084075
0.1 0.2 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.2 2.4 2.6 2.8 3.5	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.715568 0.693789 0.673275 0.635649 0.601994 0.571733 0.544395 0.519585 0.466592	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.76916 0.700515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461 0.379956 0.321644 0.273079 0.232454 0.169602 0.115618	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 980365 1 . 826154 1 . 605426 1 . 413362 1 . 245900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 471769 0 . 419424 0 . 373139 0 . 332171 0 . 263702 0 . 209795 0 . 167229 0 . 133531 0 . 106791 0 . 061449	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.415260 0.355484 0.304601 0.261227 0.224209 0.192579 0.142363 0.105490 0.078330 0.058269 0.043415 0.020928	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.077923 0.067522 0.057428 0.049161 0.042347 0.036698 0.031987 0.028036 0.021884 0.017423 0.014128 0.01458 0.01458	5.786731 4.402088 3.368235 2.592456 1.255409 0.966102 0.766194 0.611202 0.490350 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.060104 0.043230 0.031486 0.023198 0.017273 0.008613	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 1.195739 0.937505 0.738904 0.585364 0.466048 0.372846 0.299673 0.241936 0.196158 0.199690 0.130505 0.107045 0.088107 0.072757 0.050068 0.034836 0.024476 0.017349 0.012393 0.005504	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586 0.188885 0.125547 0.084075 0.056678 0.021673
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.0	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.9514643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.715568 0.693789 0.673275 0.635649 0.601994 0.5771733 0.544395 0.519585 0.4623601 0.388020	#II 2 2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.705515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461 0.379956 0.321644 0.273079 0.232454 0.198344 0.169602 0.115618 0.079601 0.055252	3 . 565388 3.107214 2.713331 2.773797 2.080365 1.826154 1.605426 1.413362 1.245900 1.099625 0.971626 0.859436 0.760959 0.674390 0.598188 0.531029 0.471769 0.419424 0.1973139 0.332171 0.263702 0.209792 0.133531 0.106791 0.035615 0.020766	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.485585 0.415260 0.355484 0.304601 0.261227 0.224209 0.192579 0.142363 0.105490 0.078330 0.058269 0.043415 0.020928 0.010159 0.004958	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.114343 0.095257 0.114343 0.095257 0.079723 0.067522 0.057428 0.049161 0.042347 0.036698 0.031987 0.028036 0.021884 0.017423 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128	5.786731 4.402088 3.368235 2.592456 2.007332 1.553656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.060104 0.043230 0.031486 0.023198 0.017273 0.008613 0.0086524 0.002486	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 1.195739 0.937505 0.738904 0.585364 0.299673 0.241936 0.196158 0.196158 0.196458 0.196458 0.088107 0.072757 0.050068 0.034836 0.024476 0.012393 0.002531 0.002531	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586 0.18885 0.125547 0.084075 0.056678 0.021673 0.008525 0.003427
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.2 2.4 2.6 3.0 3.5 4.5	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.715568 0.693789 0.601994 0.571733 0.544395 0.466592 0.423601 0.388020 0.358063	#II 2 2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.700515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461 0.373079 0.232454 0.273079 0.232454 0.169602 0.115618 0.079601 0.055252 0.038612	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 080365 1 . 826154 1 . 605426 1 . 413362 1 . 4245900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 419424 0 . 773139 0 . 332171 0 . 263702 0 . 209795 0 . 167229 1 . 133531 0 . 106791 0 . 061449 0 . 035615 0 . 020766 0 . 012168	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.415260 0.35484 0.304601 0.261227 0.224209 0.195279 0.142363 0.105490 0.078330 0.058269 0.043415 0.020928 0.010159 0.002431	101y by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.138257 0.114343 0.095257 0.079923 0.067522 0.057428 0.049161 0.042347 0.036698 0.031987 0.021884 0.017423 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123 0.014123	5.786731 4.402088 3.368235 2.592456 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.00104	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.593260 1.195739 0.937505 0.738904 0.466048 0.372846 0.299673 0.241936 0.196158 0.159690 0.130505 0.107045 0.088107 0.072757 0.055068 0.034836 0.024476 0.017349 0.012393 0.005504 0.002531 0.001197 0.000580	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586 0.188885 0.125547 0.084075 0.094075 0.003427 0.003427
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.5 4.0 5.0 6.0 7.0	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.763568 0.693789 0.673275 0.635699 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.635690	2.366971 2.112718 1.890984 1.696889 1.5263666 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.705515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461 0.379956 0.321644 0.273079 0.232454 0.198344 0.198344 0.198344 0.19601 0.055252 0.038612 0.019170 0.009682	3 . 565388 3 . 107214 2 . 713331 2 . 773797 2 . 980365 1 . 826154 1 . 605426 1 . 413562 1 . 245900 1 . 999625 0 . 971626 0 . 259436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 471769 0 . 419424 0 . 373139 0 . 332171 0 . 263702 0 . 209795 0 . 167229 0 . 133531 0 . 106791 0 . 061449 0 . 035615 0 . 920766 0 . 012168 0 . 004230 0 . 001489	#ult 4 4.330968 3.604954 3.010990 2.522806 2.112864 1.785848 1.508050 1.276196 1.082100 0.781995 0.666285 0.485585 0.415260 0.355484 0.304601 0.261227 0.224209 0.192579 0.142363 0.105490 0.078330 0.058269 0.043415 0.020428 0.010159 0.004958 0.002431 0.000591	1ply by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.1188257 0.114343 0.095257 0.077923 0.067522 0.057428 0.049161 0.042347 0.028036 0.021884 0.017423 0.014128 0.014651 0.0028036 0.021884 0.01772	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.060104 0.043230 0.031486 0.023198 0.017273 0.004524 0.004524 0.004524 0.004524 0.004525	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.593260 1.195739 0.937505 0.738904 0.466048 0.372846 0.299673 0.241936 0.196158 0.196158 0.19690 0.107045 0.088107 0.072757 0.050068 0.034836 0.024476 0.012393 0.005504 0.002531 0.000580	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586 0.188885 0.125547 0.084075 0.056678 0.021673 0.008525 0.001402 0.000424
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.5 6.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.9514643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.715568 0.693789 0.673275 0.635649 0.601994 0.5771733 0.544395 0.519585 0.462592 0.423601 0.388020 0.358063 0.310344 0.273926 0.245138	2.366971 2.112718 1.890984 1.696889 1.526366 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.700515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461 0.273079 0.232454 0.273079 0.232454 0.115618 0.019170 0.055252 0.038612 0.019170 0.009682 0.009682	3 . 565388 3 . 107214 2 . 713331 2 . 373797 2 . 080365 1 . 826154 1 . 605426 1 . 413362 1 . 425900 1 . 099625 0 . 971626 0 . 859436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 471769 0 . 419424 0 . 373139 0 . 332171 0 . 263702 0 . 209795 0 . 167229 0 . 133531 0 . 106791 0 . 061449 0 . 035615 0 . 020766 0 . 012168 0 . 0004230 0 . 0001489 0 . 000530	#ult 4 4.330968 3.604954 3.010990 2.522806 2.119824 1.785848 1.508050 1.276196 1.082100 0.919148 0.781995 0.666285 0.485585 0.45260 0.355484 0.304601 0.261227 0.224209 0.192579 0.142363 0.105490 0.078330 0.058269 0.043415 0.020928 0.01059 0.004958 0.002431 0.000591 0.000036	1ply by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.168422 0.114343 0.095257 0.114343 0.095257 0.077923 0.067522 0.057428 0.049161 0.042347 0.031987 0.028036 0.021884 0.017423 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014128 0.014651 0.009759 0.006656 0.004880 0.003789 0.00377	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.395582 0.320851 0.261592 0.214346 0.121260 0.101158 0.084725 0.060104 0.043230 0.031486 0.023198 0.017273 0.008613 0.004524 0.00286 0.001422 0.000515 0.000207 0.000090	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.533260 1.195739 0.937505 0.738904 0.585364 0.299673 0.241936 0.196158 0.159690 0.130505 0.107045 0.088107 0.072757 0.050068 0.034836 0.012393 0.02531 0.002531 0.000145 0.000039 0.000011	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586 0.18885 0.125547 0.084075 0.056678 0.021673 0.008525 0.003427 0.001402 0.000264 0.000008
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.5 4.0 5.0 6.0 7.0	1.462657 1.384498 1.313109 1.247767 1.187837 1.132752 1.082026 1.035217 0.991938 0.951849 0.914643 0.880052 0.847834 0.817775 0.789682 0.763383 0.738725 0.763568 0.693789 0.673275 0.635699 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.673275 0.635690 0.635690	2.366971 2.112718 1.890984 1.696889 1.5263666 1.376039 1.243089 1.125151 1.020230 0.926638 0.842941 0.767916 0.705515 0.639840 0.585111 0.535657 0.490893 0.450309 0.413461 0.379956 0.321644 0.273079 0.232454 0.198344 0.198344 0.198344 0.19601 0.055252 0.038612 0.019170 0.009682	3 . 565388 3 . 107214 2 . 713331 2 . 773797 2 . 980365 1 . 826154 1 . 605426 1 . 413562 1 . 245900 1 . 999625 0 . 971626 0 . 259436 0 . 760959 0 . 674390 0 . 598188 0 . 531029 0 . 471769 0 . 419424 0 . 373139 0 . 332171 0 . 263702 0 . 209795 0 . 167229 0 . 133531 0 . 106791 0 . 061449 0 . 035615 0 . 920766 0 . 012168 0 . 004230 0 . 001489	#ult 4 4.330968 3.604954 3.010990 2.522806 2.112864 1.785848 1.508050 1.276196 1.082100 0.781995 0.666285 0.485585 0.415260 0.355484 0.304601 0.261227 0.224209 0.192579 0.142363 0.105490 0.078330 0.058269 0.043415 0.020428 0.010159 0.004958 0.002431 0.000591	1ply by 10 ⁻³ 1 1.075218 0.830652 0.646405 0.506794 0.400365 0.318727 0.255703 0.206730 0.1188257 0.114343 0.095257 0.077923 0.067522 0.057428 0.049161 0.042347 0.028036 0.021884 0.017423 0.014128 0.014651 0.0028036 0.021884 0.01772	5.786731 4.402088 3.368235 2.592456 2.007332 1.563656 1.225409 0.966102 0.766194 0.611202 0.490350 0.320851 0.261592 0.214346 0.176477 0.145966 0.121260 0.101158 0.084725 0.060104 0.043230 0.031486 0.023198 0.017273 0.004524 0.004524 0.004524 0.004524 0.004525	3 5.763939 4.375520 3.339279 2.562227 1.976686 1.593260 1.195739 0.937505 0.738904 0.466048 0.372846 0.299673 0.241936 0.196158 0.196158 0.19690 0.107045 0.088107 0.072757 0.050068 0.034836 0.024476 0.012393 0.005504 0.002531 0.000580	50.547993 37.909531 28.557137 21.608360 16.424067 12.539839 9.617121 7.408334 5.731783 4.453620 3.474928 2.722298 2.141035 1.690241 1.339191 1.064725 0.849305 0.679599 0.545423 0.438973 0.286586 0.188885 0.125547 0.084075 0.056678 0.021673 0.008525 0.001402 0.000424

TABLE 16 A. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=0$

				IAL GEOMETRIC	FACTORS (cm²		r	
	1	NILI 2	ET CHANNEL 3	4	1	10L1 2	ET CHANNEL 3	4
0.1	0.153695	1.135072	0.954253	18.669094	1.844768	7.009621	6.691190	85.650818
0.2	0.139219	0.955732	0.793185	14.821268	1.365923	5.124379	4.885111	62.026619
0.3 0.4	0.126464 0.115204	0.808096 0.686076	0.661388 0.553192	11.819557 9.466496	1.016900 0.761497	3.761513 2.773156	3.579937 2.633881	45.046989 32.813004
0.5	0.105244	0.584829	0.464083	7.613188	0.573815	2.053971	1.945912	23.975626
0.6 0.7	0.096415 0.088574	0.500485 0.429944	0.390463 0.329447	6.146772 4.981300	0.435275 0.332525	1.528774 1.143776	1.443929 1.076331	17.574623 12.925279
0.8	0.081594	0.370716	0.278722	4.051033	0.255932	0.860417	0.806131	9.538423
0.9	0.075369	0.320794 0.278554	0.236426 0.201055	3.305458 2.705552	0.198533 0.155274	0.650971 0.495463	0.606736 0.458982	7.063748 5.249917
1.0 1.1	0.069804 0.064819	0.242681	0.201033	2.221037	0.122481	0.379456	0.349024	3.916161
1.2	0.060345	0.212102	0.146440	1.828334	0.097467	0.292485	0.266826	2.932152
1.3 1.4	0.056319 0.052689	0.185944 0.163488	0.125401 0.107613	1.508968 1.248419	0.078263 0.063423	0.226945 0.177287	0.205095 0.158512	2.203 69 4 1.662534
1.5	0.049410	0.144145	0.092535	1.035212	0.051875	0.139451	0.123189	1.259084
1.6 1.7	0.046440 0.043746	0.127429 0.112936	0.079724 0.068814	0. 860251 0.716291	0.042825 0.035682	0.110455 0.088102	0.096268 0.075646	0.957210 0.730510
1.8	0.041295	0.100333	0.059501	0.597544	0.030003	0.070765	0.059767	0.559632
1.9	0.039062	0.089341	0.051534	0.499361	0.025454	0.057234	0.047477	0.430353
2.0 2.2	0.037023 0.033446	0.079726 0.063877	0.044706 C.033795	0.418002 0.294231	0.021783 0.016355	0.046607 0.031527	0.037914 0.024554	0.332179 0.200097
2.4	0.030427	0.051561	0.025688	0.208253	0.012564	0.021872	0.016215	0.122255
2.6 2.8	0.027859 0.025657	0.041901 0.034257	0.019624 0.015059	0.148124 0.105818	0.010082 0.008226	0.015533 0.011270	0.010904 0.007455	0.075710 0.047486
3.6	0.023756	0.028162	0.013039	0.075893	0.006857	0.008336	0.005175	0.030141
3.5	0.020003	3.017617	0.006145	0.033553	0.004698	0.004210	0.002200	0.010138
4.0 4.5	0.017256 0.015177	0.011294 0.007383	0.003316 0.001817	0.015096 0.006889	0.003495 0.002755	0.002302 0.001333	0.000999 0.000477	0.003611 0.001348
5.0	0.013558	0.004904	0.001008	0.003180	0.002266	0.000806	0.000237	0.000524
6.0	0.011213	0.002245 0.001067	0.000320	0.000697	0.001671 0.001332	0.00032 <i>2</i> 0.000139	0.000063 0.000018	0. 000087 0. 000 016
7.0 8.0	0.009605 0.008438	0.000521	0.000105 0.000035	0.000157 0.000036	0.001332	0.000063	0.000016	0.000003
9.0	0.007554	0.000260	0.000012	0.000008	0.000972	0.000030	0.000002	0.000001
10.0	0.006861	0.000132	0.000004	0.000002	0.000869	0.000015	0.000001	0.000000
					FACTORS (cm ²		T CHANNE!	
¥	1		HNIDIRECTION LET CHANNEL 3		FACTORS (cm ² iply by 10 ⁻³ 1		T CHANNEL 3	4
		HI: 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³ 1	5 FOFE.	3	
N 0.1 0.2	1 1.722522 1.608096	HI	LET CHANNEL	mult	iply by 10 ⁻³ 1 0.968384 0.738698	LOLE 2 4.436473 3.298143	3 4.446001 3.301420	30.849638 22.655464
0.1 0.2 0.3	1.722522 1.608096 1.505167	HII 2 3.203659 2.782954 2.426599	5.145704 4.386067 3.748755	mult 4 7.019958 5.668481 4.597100	iply by 10 ⁻³ 1 0.968384 0.738698 0.567066	LOLE 2 4.436473 3.298143 2.463137	3 4.446001 3.301420 2.461857	30.849638 22.655464 16.691990
0.1	1.722522 1.608096	HII 2 3.203659 2.782954	5.145704 4.386067	mult 4 7.019958 5.668481	iply by 10 ⁻³ 1 0.968384 0.738698	LOLE 2 4.436473 3.298143	3 4.446001 3.301420	30.849638 22.655464
0.1 0.2 0.3 0.4 0.5 0.6	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235	mult 4 7.019958 5.668481 4.597100 3.743552 3.060295 2.510842	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734	4.436473 3.298143 2.463137 1.848362 1.056763 0.805445	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138
0.1 0.2 0.3 0.4 0.5 0.6	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235	mult 4 7.019958 5.668481 4.597100 3.743552 3.060295 2.510842	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465898 0.359039	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008	4.436473 3.298143 2.463137 1.848362 1.393974 1.056743 0.805445 0.617314 0.475834	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465898	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.605445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.0796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.169312	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.91242 0.878727 0.841362	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263 0.141604	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.0796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.169312 0.133104	30.849638 22.65464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.605445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.0796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.169312	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.7745184	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.483505	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529 0.041520 0.035067 0.029836	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.0796202 0.607566 0.465898 0.379039 0.278071 0.216441 0.169312 0.133104 0.105153 0.083474 0.066580	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.18559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.774857 0.774858	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.483505 0.437867	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529 0.041520 0.035067 0.029836 0.025569	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.169312 0.103104 0.105153 0.083474	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.8763268 0.774857 0.77457 0.774595 0.667907	3.203659 2.782954 2.426599 2.123497 1.864640 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.483505 0.437867 0.437867	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.401393 0.353469	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.041520 0.045529 0.041520 0.025667 0.029836 0.025669	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.169312 0.133104 0.105153 0.083474 0.066580 0.053352 0.042946	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547 0.260650 0.203139 0.158827
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.774584 0.774584 0.774595 0.667907 0.624472	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814966 0.731333 0.657614 0.534764 0.483505 0.437867 0.397141 0.390719	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.5536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306 0.401393 0.553469 0.274932	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529 0.041520 0.025569 0.025569 0.025668 0.019177 0.014770	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.027863	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465898 0.359039 0.228071 0.216441 0.169312 0.133104 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022988	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.730681 0.730681 0.561772 0.433422 0.335547 0.260650 0.203139 0.158827 0.097997
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 J. 2.0 2.2 2.4 2.6	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.774857 0.7745184 0.774518 0.791895 0.667907 0.624472 0.586238 0.552359	3.203659 2.782954 2.426599 2.123497 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.433605 0.437867 0.397141 0.360719 0.298777 0.248666 0.207851	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334422 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306 0.401393 0.353469 0.274932 0.214631 0.168110	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.107144 0.077720	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.09534 0.049529 0.041520 0.035067 0.029836 0.025569 0.025569 0.025569 0.019177 0.014770 0.014770 0.011660 0.009416	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.46580 0.359039 0.278071 0.216441 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022988 0.015464 0.010557	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.413422 0.335547 0.260650 0.203139 0.158827 0.097997 0.0661181 0.038619
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.8763268 0.774857 0.77457 0.745184 0.774595 0.667907 0.624472 0.586238 0.5522359 0.5522155	3.203659 2.782954 2.426599 2.123497 1.864640 1.451649 1.286597 1.143478 1.018947 0.731333 0.657614 0.592476 0.483505 0.437867 0.483505 0.437867 0.397141 0.360719 0.298777 0.248666 0.27851 0.174407	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.591764 0.519325 0.4501393 0.353469 0.274932 0.2146310 0.132064	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.1071744 0.077720 0.056573	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.041520 0.035067 0.029836 0.025569 0.025569 0.025568 0.019177 0.014770 0.014770 0.014770 0.014660 0.009416	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626 0.014100 0.010316	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.169312 0.133104 0.105153 0.083474 0.065580 0.053352 0.042946 0.034723 0.022988 0.015657 0.007306	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547 0.260650 0.203139 0.158827 0.097997 0.061181 0.038619 0.024629
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 J. 2.0 2.2 2.4 2.6	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.774857 0.7745184 0.774518 0.791895 0.667907 0.624472 0.586238 0.552359	3.203659 2.782954 2.426599 2.123497 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.433605 0.437867 0.397141 0.360719 0.298777 0.248666 0.207851	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334422 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306 0.401393 0.353469 0.274932 0.214631 0.168110	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.107144 0.077720	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.09534 0.049529 0.041520 0.035067 0.029836 0.025569 0.025569 0.025569 0.019177 0.014770 0.014770 0.011660 0.009416	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.46580 0.359039 0.278071 0.216441 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022988 0.015464 0.010557	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.413422 0.335547 0.260650 0.203139 0.158827 0.097997 0.0661181 0.038619
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8 3.0 3.5 4.0	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.774857 0.745184 0.774595 0.667907 0.624472 0.586238 0.552359 0.522155 0.495074 0.438257 0.393163	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.437867 0.360719 0.298767 0.298767 0.146851 0.174407 0.146851 0.174407	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334422 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306 0.401393 0.353469 0.274932 0.214631 0.168110 0.132064 0.104026	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.107144 0.077720 0.056573 0.041307 0.019935	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529 0.041520 0.035067 0.029836 0.025569 3.022068 0.019177 0.014770 0.014770 0.01660 0.007762 0.004509 0.004509	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626 0.014100 0.010316 0.007674 0.003901 0.002133	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.46580 0.359039 0.278071 0.216441 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022986 0.015464 0.010557 0.007306 0.005119 0.002207 0.001007	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547 0.26050 0.203139 0.158827 0.097997 0.061181 0.038619 0.024629 0.015857 0.005475 0.005475
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6 2.8 3.0 3.5 6 3.0 4 4 4 4 4 5 5 6 6 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.876834 0.774857 0.745184 0.77457 0.586238 0.552359 0.522155 0.495074 0.438257 0.393163 0.356491	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.483505 0.437867 0.397141 0.360719 0.298777 0.248666 0.207851 0.174407 0.174407 0.174407	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306 0.401393 0.274932 0.214631 0.186110 0.132064 0.104026 0.057871 0.032588 0.018532	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.107144 0.077720 0.056573 0.041307 0.019035 0.008890 0.004197	191y by 10 ⁻³ 1 0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529 0.041520 0.035067 0.029836 0.025569 2.022068 0.019177 0.014770 0.011660 0.025569 0.029836 0.019177 0.014770 0.014660 0.007762 0.004518 0.004509 0.003368 0.002661	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626 0.014100 0.010316 0.007674 0.003901	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.169312 0.103104 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022988 0.015464 0.010557 0.007306 0.005119 0.002207	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547 0.260650 0.203139 0.158827 0.038619 0.024629 0.015857 0.005475
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 4.5 3.5 4.0 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.774857 0.7745184 0.7745184 0.7745184 0.7745184 0.77595 0.667907 0.624472 0.586238 0.552359 0.552359 0.4985074 0.438257 0.393163 0.326062 0.278415	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.483505 0.437867 0.397141 0.360719 0.298777 0.248666 0.207851 0.174407 0.146851 0.096789 0.064786 0.043905 0.030058 0.014430	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773591 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306 0.401393 0.353469 0.274932 0.214631 0.168810 0.132064 0.104026 0.057871 0.032588 0.018525	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.107144 0.077720 0.056573 0.041307 0.019035 0.008890 0.004197 0.001998	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529 0.041520 0.035067 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.368928 0.287750 0.22752794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626 0.014100 0.010316 0.007674 0.003901 0.002133 0.000233	3 4.446001 3.301420 2.461857 1.843820 0.387168 1.048451 0.796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022988 0.015464 0.010557 0.007306 0.005119 0.002207 0.001007 0.000481 0.000238	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547 0.260650 0.203139 0.158827 0.091881 0.024629 0.015857 0.005475 0.000743 0.000289 0.000289
0.1 0.2 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 6.8 3.0 5.0 6.0 7.0	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.7745184	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.138478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.437867 0.360719 0.2948666 0.207851 0.174407 0.146851 0.096789 0.096789 0.096789 0.096789	5.145704 4.386067 3.748755 3.212398 2.376235 2.050714 1.773551 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.401393 0.353469 0.274932 0.214631 0.168110 0.132064 0.104084 0.104087 0.032588 0.018532 0.010625 0.001217	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.107144 0.077720 0.056573 0.041307 0.001993 0.0044197 0.001998 0.000462 0.000109	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.072569 0.041520 0.035067 0.029836 0.029836 0.019177 0.014770 0.01660 0.007762 0.0036518 0.004509 0.004509 0.004621 0.001621 0.001621	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.475834 0.368928 0.287750 0.225794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626 0.01100 0.010316 0.0073931 0.001233 0.001233	3 4.446001 3.301420 2.461857 1.843820 1.387168 1.048451 0.796202 0.607566 0.465803 0.278071 0.216441 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022986 0.015464 0.010557 0.007306 0.005119 0.002207 0.001007 0.000481 0.000238 0.000018	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547 0.26050 0.203139 0.158827 0.097997 0.061181 0.038619 0.024629 0.015857 0.005475 0.0005475 0.000243 0.000243 0.000243 0.000243 0.000247
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 4.5 3.5 4.0 4.5 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	1.722522 1.608096 1.505167 1.412364 1.328498 1.252530 1.183559 1.120794 1.063547 1.011215 0.963268 0.919242 0.878727 0.841362 0.806834 0.774857 0.7745184 0.7745184 0.7745184 0.7745184 0.77595 0.667907 0.624472 0.586238 0.552359 0.552359 0.4985074 0.438257 0.393163 0.326062 0.278415	3.203659 2.782954 2.426599 2.123497 1.864640 1.642690 1.451649 1.286597 1.143478 1.018947 0.910223 0.814996 0.731333 0.657614 0.592476 0.534764 0.483505 0.437867 0.397141 0.360719 0.298777 0.248666 0.207851 0.174407 0.146851 0.096789 0.064786 0.043905 0.030058 0.014430	5.145704 4.386067 3.748755 3.212398 2.759609 2.376235 2.050714 1.773591 1.536940 1.334432 1.160702 1.011307 0.882562 0.771379 0.675171 0.591764 0.519325 0.456306 0.401393 0.353469 0.274932 0.214631 0.168810 0.132064 0.104026 0.057871 0.032588 0.018525	7.019958 5.668481 4.597100 3.743552 3.060295 2.510842 2.067063 1.707139 1.414075 1.174561 0.978132 0.816505 0.683105 0.572684 0.481037 0.404782 0.341184 0.288026 0.243503 0.206141 0.148286 0.107144 0.077720 0.056573 0.041307 0.019035 0.008890 0.004197 0.001998	0.968384 0.738698 0.567066 0.438178 0.340892 0.267066 0.210734 0.167508 0.134144 0.108241 0.088008 0.072107 0.059534 0.049529 0.041520 0.035067 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569 0.025569	4.436473 3.298143 2.463137 1.848362 1.393974 1.056763 0.805445 0.617314 0.368928 0.287750 0.22752794 0.178263 0.141604 0.113177 0.091012 0.073634 0.059932 0.049068 0.040406 0.027863 0.019626 0.014100 0.010316 0.007674 0.003901 0.002133 0.000233	3 4.446001 3.301420 2.461857 1.843820 0.387168 1.048451 0.796202 0.607566 0.465898 0.359039 0.278071 0.216441 0.105153 0.083474 0.066580 0.053352 0.042946 0.034723 0.022988 0.015464 0.010557 0.007306 0.005119 0.002207 0.001007 0.000481 0.000238	30.849638 22.655464 16.691990 12.339350 9.152880 6.812932 5.089138 3.815122 2.870382 2.167443 1.642612 1.249397 0.953751 0.730681 0.561772 0.433422 0.335547 0.260650 0.203139 0.158827 0.091881 0.024629 0.015857 0.005475 0.000743 0.000289 0.000289

TABLE 16 B. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=15$

				AL GEOMETRIC	FACTORS (cm²			
N	1	#ILE 2	ET CHANNEL 3	4	1	LOLE 2	T CHANNEL 3	4
	_	_		17 270504		-		
0.1 0.2	0.143052 0.130071	1.015046 0.862413	0.844?57 0.707490	17.370594 13.883474	1.867506 1.385020	7.431866 5.445665	7.111800 5.203378	95.218460 69.071121
0.3	0.118597	0.735601	0.594543	11.144354	1.033005	4.007290	3.821956	50.253624
0.4 0.5	0.108434 0.099414	0.629838 0.541288	0.501042 0.423403	8.982483 7.268303	0.775136 0.585410	2.962193 2.200166	2.818823 2.087946	36.676346 26.853689
0.6	0.091392	0.466868	0.358740	5.903016	0.445177	1.642464	1.553554	19.727474
0.7 0.8	0.084244 0.077860	0.404085 0.350924	0.304727 0.259479	4.810926 3.933776	0.341015 0.263242	1.232687 0.930330	1.161367 0.872417	14.542344 10.758159
0.9	0.072147	0.305746	0.221468	3.226503	0.204853	0.706254	0.658660	7.987658
1.0 1.1	0.067024 0.062420	0.267214 0.234235	0.189451 0.162411	2.654059 2.189106	0.160761 0.127264	0.539417 0.414591	0.499852 0.381344	5.952702 4.452987
1.2	0.058274	0.205914	0.139517	1.810205	0.101652	0.320722	0.292503	3.343915
1.3	0.054533 0.051149	0.181512 0.160419	0.120086 0.103555	1.500448 1.246470	0.081941 0.066666	0.249757 0.195811	0.225586 0.174936	2. 520830 1.907774
1.5	0.031149	0.142130	0.089459	1.037638	0.054746	0.154569	0.136408	1.449476
1.6	0.045297	0.126225	0.077413	0.865480	0.045377	0.122855	0.106951	1.105590
1.7 1.8	0.042762 0.040451	0.112352 0.100219	0.067098 0.058248	0.723203 0.605351	0.037958 0.032040	0.098320 0.079224	0.084313 0.066825	0. 846579 0. 65075 5
1.9	0.038339	0.089579	0.050640	0.507517	0.027284	0.064268	0.053246	0.502138
2.0 2.2	0.036405 0.033000	0.080224 0.064694	0.044087 0.033547	0.426135 0.301679	0.023432 0.017709	0.052482 0.035678	0.042645 0.027768	0.388919 0.235884
2.4	0.030111	0.052520	0.025652	0.214644	0.013789	0.024851	0.018424	0.145092
2.6	0.027643	0.042896	0.019701	0.153402	0.011029	0.017703	0.012440	0.090438
2.8 3.0	0.025518 0.023676	0.035227 0.029073	0.015192 0.011758	0.110071 0.079263	0.009032 0.007551	0.012872 0.009534	0.008534 0.005940	0.057076 0.036439
3.5	0.020018	0.018333	0.006284	0.035353	0.005195	0.004819	0.002536	0.012411
4.0 4.5	0.017322 0.015270	0.011824 0.007765	0.003416 0.001883	0.016023 0.007357	0.003871 0.003052	0.002631 0.001521	0.001153 0.000550	0.004463 0.001678
5.0	0.013664	0.005176	0.001050	0.007337	0.002508	0.000917	0.000330	0.000654
6.0	0.011327	0.002382	0.000336	0.000754	0.001845	0.000365	0.000073	0.000108
7.0 8.0	0.009716 0.008543	0.001135 0.000555	0.000110 0.000037	0.000171 0.000040	0.001466 0.001226	0.000157 0.000071	0.000021 0.000006	0.000020 0.000004
9.0	0.007652	0.000277	0.000013	0.000009	0.001063	0.000034	0.000002	0.000001
10.0	0.006953	0.000140	0.000004	0.000002	0.000946	0.000016	0.000001	0.000000
					FACTORS (cm²			
N	1	HI	LET CHANNEL		iply by 10 ⁻³	LOLET	CHANNEL 3	4
N	1	HII 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³	LOLE1	3	
0.1	1.591916	HII 2 2.830712	LET CHANNEL 3 4.494294	mult 4 6.363087	iply by 10 ⁻³ 1 0.945752	£0LE1 2 4.448484	3 4.459715	32.822819
		HII 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³	LOLE1	3	
0.1 0.2 0.3 0.4	1.591916 1.490041 1.398161 1.315113	HII 2 2.830712 2.475906 2.173077 1.913586	4.494294 3.853517 3.312280 2.853764	mult 4 6.363087 5.171873 4.220805 3.457835	1 0.945752 0.723598 0.557302 0.432174	LOLET 2 4.448484 3.324029 2.495808 1.883370	3 4.459715 3.327710 2.494055 1.877791	32.822819 24.179913 17.873974 13.258980
0.1 0.2 0.3	1.591916 1.490041 1.398161	2.830712 2.475906 2.173077	4.494294 3.853517 3.312280	Mult 4 6,363087 5,171873 4,220805	1 0.945752 0.723598 0.557302	LOLET 2 4.448484 3.324029 2.495808	3 4.459715 3.327710 2.494055	32.822819 24.179913 17.873974
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365	HII 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915	6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432	LOLET 2 4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645	411 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364	4.494294 3.853517 3.312280 2.853764 2.464219 2.13268 1.848915 1.606192	mult 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040	LOLET 2 4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.0506790 0.953281	411 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596	mult 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.0052645 1.0052645	411 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042	mult 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612	LOLET 2 4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.0506790 0.953281	411 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596	mult 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281	475 2 . 830712 2 . 475906 2 . 173077 1 . 913586 1 . 690368 1 . 497630 1 . 330609 1 . 185364 1 . 058627 0 . 947680 0 . 850258 0 . 764453 0 . 688669 0 . 621552	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.814883 0.714600	mult 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.553588	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.294843 0.294865 0.143611	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604	411 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.250258 0.764453 0.688659 0.621552 0.561960	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458	mult 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.553588 0.466537	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164	LOLET 2 4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.461603	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458 0.551611 0.485485	6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.553588 0.466531 0.332921	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.07961 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.508921 0.461603 0.419297	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458 0.627458 0.42747	6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.658023 0.466537 0.332921 0.322921	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328 0.026976	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121 0.066356	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.09105	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.461603	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458 0.551611 0.485485	6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.553588 0.466531 0.332921	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.07961 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.660694 0.638493 0.598203	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.508921 0.461603 0.419297 0.381393 0.347366 0.289190	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.514600 0.627458 0.527458 0.427747 0.377260 0.333055 0.260275	6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.553588 0.466537 0.39811 0.32921 0.281841 0.238909 0.202764 0.146542	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.169640 0.135220 0.109653 0.089612 0.073803 0.061253 0.061253 0.051226 0.043164 0.031328 0.026976 0.02388 0.020411 0.015844	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011 0.058800 0.047860 0.047860	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.660694 0.638493	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.508921 0.461603 0.419297 0.381393 0.347366	4.494294 3.853517 3.312280 2.853764 2.4654219 2.1322368 1.848915 1.606192 1.937848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458 0.551611 0.485485 0.427747 0.377260 0.333055	8M1t 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.658023 0.658023 0.553588 0.466537 0.393811 0.332921 0.281841 0.238909 0.202764 0.146542 0.106335	10 945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328 0.026976 0.023388 0.020411 0.015844 0.012592	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364 0.022228	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011 0.058800 0.047560 0.038629 0.025789 0.017475	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6.2 2.6 2.8	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.660694 0.638493 0.562632 0.531031 0.502787	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.947680 0.650258 0.764453 0.688699 0.621552 0.561960 0.508921 0.461603 0.419297 0.4381393 0.347366 0.289190 0.241812 0.202989 0.170997	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.937848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458 0.551611 0.485485 0.427747 0.333055 0.260275 0.2040476 0.126533	84 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.13520 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328 0.026388 0.020411 0.015844 0.012592 0.910226 0.908468	LOLET 2 4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.1533432 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364 0.022228 0.016046 0.011782	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011 0.058800 0.047560 0.038629 0.025789 0.017475 0.012006 0.008353	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851 0.045746 0.029413
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.2 4.2 2.4 2.6 3.0	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.99654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.6638493 0.598203 0.552632 0.531031 0.502787 0.477407	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.50258 0.461603 0.419297 0.381393 0.347366 0.289190 0.241812 0.202989 0.144505	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.5216611 0.485485 0.427747 0.377260 0.333055 0.260275 0.204070 0.166476 0.126533 0.100012	84 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.169640 0.135220 0.109653 0.089612 0.073803 0.061253 0.061253 0.051226 0.043164 0.031328 0.026976 0.023388 0.026976 0.02388 0.026976 0.02388 0.026976 0.02388 0.026976	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364 0.022228 0.016046 0.011782 0.008786	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.077615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011 0.058800 0.047560 0.047560 0.074756 0.012006 0.008353 0.005878	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.367565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851 0.045746 0.029413 0.019084
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6.2 2.6 2.8	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.660694 0.638493 0.562632 0.531031 0.502787	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.947680 0.650258 0.764453 0.688699 0.621552 0.561960 0.508921 0.461603 0.419297 0.4381393 0.347366 0.289190 0.241812 0.202989 0.170997	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.937848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458 0.551611 0.485485 0.427747 0.333055 0.260275 0.2040476 0.126533	84 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.13520 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328 0.026388 0.020411 0.015844 0.012592 0.910226 0.908468	LOLET 2 4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.1533432 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364 0.022228 0.016046 0.011782	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011 0.058800 0.047560 0.038629 0.025789 0.017475 0.012006 0.008353	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851 0.045746 0.029413
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6 2.8 3.0 3.0 4 3.0 4 4 4 4 4 4 5 5 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.660694 0.638493 0.598203 0.562632 0.531031 0.502787 0.477407 0.423978 0.381388 0.346630	411 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.250258 0.764453 0.688669 0.621552 0.561960 0.508921 0.461603 0.419297 0.381393 0.347366 0.289190 0.241812 0.202989 0.170997 0.144505 0.96006 0.064694 0.044095	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.814883 0.714600 0.164042 0.930498 0.551611 0.485485 0.427747 0.333055 0.260275 0.2040476 0.126533 0.100012 0.0560677 0.018174	mult 4 6.363087 5.171873 4.220805 3.457835 2.842950 2.345250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.553588 0.466537 0.393811 0.332921 0.281841 0.238909 0.202764 0.146542 0.106335 0.077433 0.056564 0.041435 0.019230 0.009035 0.004286	0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226 0.051226 0.036640 0.031328 0.020411 0.015844 0.026976 0.023388 0.020411 0.015844 0.012592 0.010226 0.004968 0.007136 0.004964	LOLET 2 4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364 0.022228 0.016046 0.011782 0.004476 0.002445 0.002445	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011 0.058800 0.047560 0.038629 0.025789 0.017475 0.012006 0.008353 0.005878 0.002558	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851 0.045746 0.029413 0.019084 0.006703 0.002457 0.000933
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.2 2.4 2.6 8 3.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.95281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.660694 0.638493 0.598203 0.562632 0.531031 0.502787 0.477407 0.423978	2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.50258 0.461603 0.419297 0.381393 0.419297 0.381393 0.241812 0.202989 0.241812 0.202989 0.144505 0.096006 0.064694 0.044095 0.030336	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.514600 0.627458 0.514600 0.627458 0.527450 0.126533 0.260275 0.204070 0.166476 0.126533 0.100012 0.056063 0.031777 0.018174 0.010472	84 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10 945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.061253 0.051226 0.043164 0.031328 0.026976 0.02388 0.026976 0.02388 0.020411 0.015844 0.012592 0.010226 0.008468 0.007136 0.004964 0.003716 0.004964 0.002936 0.002936	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364 0.022228 0.016046 0.011782 0.00848	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073011 0.058869 0.025789 0.017475 0.012006 0.008353 0.005878 0.002553 0.001169 0.000558	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851 0.045746 0.029413 0.019084 0.006703 0.002457
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 4.6 3.0 3.0 4.5 5.0 6.0 7.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.952649 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684491 0.660694 0.638493 0.598203 0.56632 0.531031 0.502787 0.477407 0.423978 0.381388 0.346630 0.317699 0.272226 0.238032	411 2 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.682659 0.561960 0.508921 0.461603 0.419297 0.381393 0.347366 0.289190 0.241812 0.202989 0.170997 0.144505 0.094606 0.064694 0.044095 0.007266	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.814883 0.714600 0.627458 0.551611 0.4858485 0.427747 0.377260 0.333055 0.260275 0.260275 0.204070 0.160476 0.126533 0.100012 0.03539 0.001219	6.363087 5.171873 4.220805 3.457835 2.845250 1.940732 1.610668 1.340359 1.118218 0.935075 0.783623 0.658023 0.553588 0.466537 0.393811 0.238909 0.202764 0.146542 0.106335 0.077433 0.056564 0.041435 0.019230 0.009035 0.004286 0.002050 0.000478	1019 by 10 ⁻³ 1 0.945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328 0.020411 0.015844 0.012592 0.010226 0.008468 0.001783 0.001783 0.001421	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.241705 0.192001 0.153432 0.123342 0.099739 0.881121 0.066356 0.054581 0.045141 0.031364 0.011782 0.008786 0.001445 0.001410 0.000848 0.000335 0.000144	3 4.459715 3.327710 2.494055 1.877791 1.42045 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.07360 0.038629 0.025789 0.017475 0.012006 0.008353 0.00558 0.00276 0.000258	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851 0.045746 0.029413 0.019084 0.006703 0.002457 0.000933 0.002457 0.000960
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 4.5 3.5 4.0 4.5 6.0	1.591916 1.490041 1.398161 1.315113 1.239870 1.171546 1.109365 1.052645 1.000790 0.953281 0.909654 0.869510 0.832492 0.798281 0.766604 0.737213 0.709889 0.684441 0.660694 0.638493 0.5962632 0.531031 0.502787 0.477407 0.423978 0.381388 0.346630 0.317699 0.272226	4712 2.830712 2.475906 2.173077 1.913586 1.690368 1.497630 1.330609 1.185364 1.058627 0.947680 0.850258 0.764453 0.688669 0.621552 0.561960 0.508921 0.461603 0.419297 0.381393 0.347366 0.289190 0.241812 0.202989 0.744505 0.096006 0.064694 0.044095 0.0303336 0.014680	4.494294 3.853517 3.312280 2.853764 2.464219 2.132368 1.848915 1.606192 1.397848 1.218596 1.064042 0.930498 0.514600 0.627458 0.814883 0.714600 0.627458 0.551611 0.485485 0.427747 0.377265 0.204070 0.160476 0.126503 0.031777 0.018177 0.018177 0.010472 0.003539	84 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10 945752 0.723598 0.557302 0.432174 0.337519 0.265516 0.210432 0.168040 0.135220 0.109653 0.089612 0.073803 0.061253 0.051226 0.043164 0.036640 0.031328 0.020411 0.015844 0.012592 0.010226 0.004964 0.002916 0.002916 0.002916 0.002916 0.002916 0.002916 0.002916	4.448484 3.324029 2.495808 1.883370 1.428630 1.089524 0.835514 0.644364 0.499827 0.389993 0.306107 0.241705 0.192001 0.153432 0.123342 0.099739 0.081121 0.066356 0.054581 0.045141 0.031364 0.022228 0.016046 0.011782 0.008486 0.002445 0.002445 0.002445 0.002445	3 4.459715 3.327710 2.494055 1.877791 1.420431 1.079615 0.824573 0.632890 0.488185 0.378447 0.294843 0.230851 0.181638 0.143611 0.114089 0.091059 0.073010 0.058800 0.047560 0.038629 0.025789 0.017475 0.012006 0.008353 0.005878 0.002553 0.001169 0.000558 0.000276	32.822819 24.179913 17.873974 13.258980 9.870809 7.375231 5.530942 4.163311 3.145600 2.385597 1.816003 1.387565 1.064127 0.819062 0.632701 0.490467 0.381521 0.297774 0.233172 0.183166 0.114063 0.071851 0.045746 0.029413 0.019084 0.006703 0.002457 0.000933 0.000365 0.000060

TABLE 16 C. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=30$

			MIDIRECTION/ ET CHANNEL	AL GEOMETRIC	FACTORS (cm²		ET CHANNEL	
N	1	5	CHANNEL 3	4	1	2	3	4
0.1	0.133951	0.961161	0.788171	16.082808	1.953946	8.428395	8.096959	118.889008
0.2	0.122470 0.112269	0.823225	0.664829	12.971579	1.451753 1.084964	6.190351 4.566845	5.937238 4.371400	86.486862 63.117172
0.3 0.4	0.112269	0.707792 0.610804	0.562398 0.477061	10.506462 8.543747	0.815951	3.385039	3.232358	46.215759
0.5	0.095087	0.528989	0.405743	6.973705	0.617763	2.521584	2.400865	33.957119
0.6	0.087846	0.459708	0.345960	5.712175	0.471056	1.888257	1.791639	25.039221
0.7 0.8	0.081360 0.075539	0.400814 0.350567	0.295699 0.253322	4.694210 3.869464	0.361903 0.280256	1.421794 1.076734	1.343520	18.531301 13.766632
0.9	0.070304	0.307541	0.217495	3.198708	0.218833	0.820302	0.767087	10.266521
1.0	0.065586	0.270568	0.187124	2.651242	0.172349	0.628814	0.584208	7.686413
1.1 1.2	0.061327 0.057472	0.238691 0.211116	0.161315 0.139327	2.202901 1.834569	0.136948 0.109811	0.485100 0.376672	0.447334 0.344405	5.777665 4.360407
1.3	0.053977	0.187187	0.120552	1.531086	0.088868	0.294421	0.266623	3.304129
1.4	0.050802	0.166359	0.104484	1.280331	0.072590	0.231675	0.207549	2.513888
1.5 1.6	0.047912 0.045275	0.148178 0.132262	0.090704 0.078861	1.072617 0.900146	0.059848 0.049799	0.183531 0.146372	0.162454 0.127852	1.920384 1.472893
1.7	0.042866	0.118292	0.068664	0.756611	0.041816	0.117518	0.101163	1.134167
1.8	0.040659	0.105998	0.059868	0.636912	0.035425	0.094977	0.080468	0.876756
1.9	0.038635	0.095154	0.052267	0.536896	0.030270	0.077258	0.064338	0.680372
2.0 2.2	0.036775 0.033481	0.085565 0.069520	0.045687 0.035030	0.453174 0.324016	0.026082 0.019824	0.063244 0.043164	0.051699 0.033866	0.529958 0.325047
2.4	0.030667	0.056817	0.026973	0.232666	0.015509	0.030145	0.022588	0.202126
2.6	0.028247	0.046682	0.020850	0.167705	0.012450	0.021504	0.015316	0.127307
2.8 3.0	0.026152 0.024327	0.038540 0.031957	0.016173 0.012585	0.121291 0.087988	0.010224 0.008565	0.015639 0.011574	0.010543 0.007356	0.081136 0.052274
3.5	0.020671	0.020346	0.006805	0.039890	0.005906	0.005821	0.007336	0.018152
4.0	0.017951	0.013217	0.003735	0.018330	0.004401	0.003154	0.001429	0.006620
4.5	0.015865	0.008727	0.002075	0.008515	0.003468	0.001809	0.000679	0.002511
5.0 6.0	0.014223 0.011819	0.005841 0.002703	0.001164 0.000376	0.003992 0.000896	0.002846 0.002088	0.001083 0.000426	0.000334 0.000088	0.000983 0.000162
7.0	0.010153	0.001293	0.000124	0.000206	0.001655	0.000182	0.000025	0.000029
8.0	0.008934	0.000634	0.000042	0.000048	0.001380	0.000082	8000008	0.000005
9.0 10.0	0.008006 0.007277	0.000317 0.000161	0.000014	0.000011	0.001193 0.001059	0.000039 0.000019	0.000002	0.000001 0.000000
	0.001277	4.44461	0.00000	0.00000	0.001005	0.000027	4.00000	4.40000
					FACTORS (cm		T CHANNEL	
N	1		MNIDIRECTION LET CHANNEL 3		FACTORS (cm iply by 10 ⁻³ 1		T CHANNEL	4
N 0.1	1	WII	LET CHANNEL	muit	iply by 10^{-3}	FOLE		4 37.691360
0.1 0.2	1.474397 1.385295	HII 2 2.648495 2.329828	4.146721 3.571820	mult 4 5.778941 4.728867	iply by 10 ⁻³ 1 0.946274 0.726808	LOLE 2 4.727589 3.552840	3 4.731819 3.550097	37.691360 27.929266
0.1 0.2 0.3	1.474397 1.385295 1.304615	HII 2 2.648495 2.329828 2.056278	4.146721 3.571820 3.083898	mult 4 5.778941 4.728867 3.884876	1 0.946274 0.726808 0.552133	LOLE 2 4.727589 3.552840 2.683804	3 4.731819 3.550097 2.676149	37.691360 27.929266 20.773268
0.1 0.2	1.474397 1.385295	HII 2 2.648495 2.329828	4.146721 3.571820	mult 4 5.778941 4.728867	iply by 10 ⁻³ 1 0.946274 0.726808	LOLE 2 4.727589 3.552840	3 4.731819 3.550097	37.691360 27.929266
0.1 0.2 0.3 0.4 0.5	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667	mult 4 5.778941 4.728867 3.884876 3.203253 2.650260 2.199690	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701
0.1 0.2 0.3 0.4 0.5 0.6	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354
0.1 0.2 0.3 0.4 0.5 0.6	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104	WII 2 2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025 0.832596	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783	mult 4 5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.440490 0.277049	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085	mult 4 5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344	mult 4 5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.221659 0.178369 0.144351	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.166230 0.132978	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.509217	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344 0.538099	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.07660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054683 0.054683 0.039685	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.247649 0.221659 0.178369 0.178369 0.17473	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.166230 0.132978 0.106857	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025 0.798898 0.767662 0.738652 0.711660 0.686497	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.509217 0.463312	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.896783 0.693049 0.610344 0.538099 0.474896	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173664 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503 0.039685 0.034104	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.221659 0.178369 0.178369 0.144351 0.117473 0.096120	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.166230 0.132978 0.106857 0.086241	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.509217 0.463312 0.422104 0.385040	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344 0.538099	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.07660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054683 0.054683 0.039685	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.247649 0.221659 0.178369 0.178369 0.17473	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.166230 0.132978 0.106857	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660 0.686497 0.662999 0.6641017 0.620417	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.509217 0.463312 0.422104 0.385040 0.385040	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.630344 0.538099 0.474896 0.419526 0.370953 0.328290	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054683 0.054683 0.034685 0.034104 0.029507 0.022519	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.221659 0.178369 0.178369 0.17873 0.096120 0.079065 0.065372 0.054320	3 4.731819 3.550097 2.676149 2.027164 1.583179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.16230 0.132978 0.106857 0.066895 0.056877 0.046463	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025 0.798898 0.767662 0.738652 0.711660 0.686497 0.662999 0.641017 0.6620417	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.509217 0.463312 0.422104 0.351643 0.351643	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344 0.538099 0.419526 0.370829 0.419526 0.370829 0.257744	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.75927 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106 0.147794	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173664 0.140711 0.114774 0.094352 0.074863 0.065253 0.054883 0.046503 0.034104 0.029507 0.025696 0.022519 0.017607	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.121659 0.178369 0.144351 0.17473 0.096120 0.079065 0.065372 0.054320 0.038043	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.166230 0.132978 0.106857 0.066857 0.066877 0.066877 0.066463 0.031348	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564 0.154117
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660 0.686497 0.662999 0.6641017 0.620417	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.509217 0.463312 0.422104 0.385040 0.385040	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.630344 0.538099 0.474896 0.419526 0.370953 0.328290	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503 0.039685 0.034104 0.029507 0.025696 0.022519 0.017607 0.014076 0.011483	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.221659 0.178369 0.178369 0.17873 0.096120 0.079065 0.065372 0.054320	3 4.731819 3.550097 2.676149 2.027164 1.583179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.16230 0.132978 0.106857 0.066895 0.056877 0.046463	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.805674 0.630812 0.494855 0.389485 0.307529 0.243564 0.154117 0.098578
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6 2.6	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.757662 0.738652 0.711660 0.686497 0.662999 0.641017 0.582901 0.549639 0.519971 0.493364	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.509217 0.463312 0.422104 0.385040 0.385040 0.385040 0.351643 0.294247 0.247195 0.208403 0.176259	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.474896 0.474896 0.474896 0.474896 0.47523 0.328290 0.257744 0.202957 0.160242 0.126822	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.280245 0.147794 0.107925 0.079055 0.058067	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503 0.039685 0.034104 0.029507 0.025696 0.022519 0.017607 0.014076 0.014076 0.014076 0.014883 0.009542	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.178369 0.144351 0.117473 0.096120 0.079065 0.065372 0.054320 0.038043 0.027125 0.014472	3 4.731819 3.550097 2.676149 2.027164 1.583179 1.180663 0.907901 0.701723 0.545138 0.425649 0.208762 0.168230 0.132978 0.106857 0.066241 0.069895 0.056877 0.046463 0.031348 0.021440 0.014846 0.010396	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564 0.154117 0.998578 0.063679 0.041506
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.0 2.4 2.4 2.6 3.0	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025 0.732596 0.798898 0.767662 0.73652 0.711660 0.686497 0.662999 0.641017 0.582901 0.549639 0.549639 0.549639 0.549639	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.756248 0.617780 0.560458 0.509217 0.462312 0.422104 0.351643 0.351643 0.351643 0.294247 0.247195 0.208403 0.176259 0.149501	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344 0.538099 0.474896 0.419526 0.370829 0.257744 0.202957 0.160242 0.126822 0.100590	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106 0.147794 0.107925 0.079055 0.079055	1ply by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173664 0.140711 0.114774 0.094352 0.074666 0.065253 0.054883 0.046503 0.034104 0.029507 0.025696 0.022519 0.017607 0.014076 0.011483 0.09542 0.008061	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.178369 0.144351 0.117473 0.096120 0.079065 0.065372 0.054320 0.038043 0.027125 0.019663 0.014472 0.019802	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.166230 0.132978 0.066241 0.069895 0.066463 0.031348 0.021440 0.014846 0.010396 0.007355	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564 0.154117 0.098578 0.063678 0.063679
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 2.0 2.2 2.4 2.6 2.8 3.5	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660 0.686497 0.662049 0.620417 0.582901 0.549639 0.519971 0.493364 0.469374 0.418624	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.560458 0.50458 0.50458 0.351643 0.351643 0.294247 0.247195 0.208403 0.176259 0.149501 0.149501	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344 0.538099 0.474896 0.419526 0.370953 0.287744 0.202957 0.160242 0.126822 0.100590 0.056828	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.203106 0.147794 0.107925 0.058067 0.058067 0.058067	1p1y by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503 0.039685 0.034104 0.029507 0.025696 0.022519 0.017607 0.014076 0.011483 0.0095623	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.144351 0.117473 0.096120 0.079065 0.065372 0.054320 0.038043 0.027125 0.019663 0.014472 0.010802 0.005488	3 4.731819 3.550097 2.676149 2.027164 1.54317 1.180663 0.907901 0.701723 0.4425649 0.334025 0.263426 0.208762 0.166230 0.132978 0.106857 0.066867 0.065877 0.046463 0.031348 0.021440 0.014846 0.01396 0.001325 0.003220	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564 0.154117 0.098578 0.041506 0.027276 0.009849
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6 2.8 3.0 3.5 4 4.5 4 4.5 4 4.5 4 4.5 4 4.5 4 5 4.5 4 5 4.5 4 5 4.5 4 5 5 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025 0.732596 0.798898 0.767662 0.73652 0.711660 0.686497 0.662999 0.641017 0.582901 0.549639 0.549639 0.549639 0.549639	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.756248 0.617780 0.560458 0.509217 0.462312 0.422104 0.351643 0.351643 0.351643 0.294247 0.247195 0.208403 0.176259 0.149501	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344 0.538099 0.474896 0.419526 0.370829 0.257744 0.202957 0.160242 0.126822 0.100590	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106 0.147794 0.107925 0.079055 0.079055	1p1y by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173664 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503 0.046503 0.046503 0.025696 0.025696 0.025696 0.025696 0.017607 0.014076 0.011483 0.009542 0.008061 0.005623 0.004209 0.00323	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.277049 0.221659 0.178369 0.174351 0.17473 0.096120 0.079065 0.065372 0.054320 0.038043 0.027125 0.019663 0.014472 0.010802 0.005488 0.002975 0.001700	3 4.731819 3.550097 2.676149 2.027164 1.583179 1.180663 0.907901 0.701723 0.545138 0.425649 0.208762 0.166230 0.132978 0.106857 0.086241 0.069895 0.056877 0.046463 0.031348 0.021440 0.010396 0.007355 0.003220 0.001478 0.000704	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564 0.154117 0.098578 0.063678 0.063679
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.2 2.4 2.8 3.5 4.0 4.5 5.0	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660 0.686497 0.662999 0.641017 0.582901 0.549639 0.549639 0.51964017 0.493364 0.469374 0.418624 0.377924 0.316638	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.50217 0.463312 0.422104 0.385040 0.351643 0.294247 0.247195 0.208403 0.176259 0.149501 0.100135 0.0679434 0.032214	4.146721 3.571820 3.03888 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.89783 0.787875 0.693049 0.610344 0.538099 0.474896 0.419526 0.370823 0.257744 0.202957 0.160242 0.126822 0.100590 0.056828 0.032426 0.018654 0.010803	mult 4 5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.2728924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106 0.147794 0.107925 0.079055 0.058067 0.042755 0.025072 0.009524 0.004558	1p1y by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.074883 0.046503 0.034883 0.046503 0.034104 0.029507 0.025696 0.025519 0.017607 0.014076 0.011487 0.0014076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.001002730	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.178369 0.144351 0.117473 0.096120 0.079065 0.065372 0.05438043 0.027125 0.019663 0.014472 0.01962 0.002975 0.001700 0.001012	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.166230 0.132978 0.106857 0.066463 0.031348 0.021440 0.014846 0.010396 0.007355 0.003220 0.001478	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564 0.154117 0.098578 0.0636778 0.063679 0.041506 0.027276 0.009849 0.003661 0.001625 0.000564
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 4.5 5.0 6.0	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.908479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660 0.686497 0.6820417 0.582901 0.582901 0.582901 0.493364 0.46374 0.463874 0.316638 0.272557	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.517780 0.560458 0.50248 0.385040 0.351643 0.294247 0.247195 0.208403 0.176259 0.149501 0.100135 0.067943 0.046584	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526332 1.166516 1.022085 0.896783 0.787875 0.693049 0.610344 0.538099 0.474896 0.419526 0.370953 0.28790 0.257744 0.202957 0.160242 0.126829 0.105828 0.0328290	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.329749 0.203106 0.147794 0.203106 0.147794 0.107925 0.058067 0.058067 0.058067 0.058067 0.004558 0.002196	1p1y by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503 0.039685 0.034104 0.029507 0.025696 0.02519 0.017607 0.014076 0.011483 0.0095623 0.004209 0.003623 0.004209 0.003730 0.002730	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.144351 0.117473 0.096120 0.079065 0.065372 0.054320 0.038043 0.027125 0.019663 0.014472 0.010802 0.005488 0.002975 0.001700 0.001012 0.000395	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.106857 0.066241 0.059895 0.056877 0.046463 0.031348 0.021440 0.014846 0.010396 0.007355 0.003220 0.001478 0.000704 0.000704	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.389585 0.389585 0.307529 0.243564 0.154117 0.098578 0.063679 0.041506 0.027276 0.009849 0.003691 0.001425 0.000954
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.2 2.4 2.8 3.5 4.0 4.5 5.0	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660 0.686497 0.662999 0.641017 0.582901 0.549639 0.549639 0.51964017 0.493364 0.469374 0.418624 0.377924 0.316638	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.617780 0.560458 0.50217 0.463312 0.422104 0.385040 0.351643 0.294247 0.247195 0.208403 0.176259 0.149501 0.100135 0.0679434 0.032214	4.146721 3.571820 3.03888 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.89783 0.787875 0.693049 0.610344 0.538099 0.474896 0.419526 0.370823 0.257744 0.202957 0.160242 0.126822 0.100590 0.056828 0.032426 0.018654 0.010803	mult 4 5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.2728924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106 0.147794 0.107925 0.079055 0.058067 0.042755 0.025072 0.009524 0.004558	1p1y by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.074883 0.046503 0.034883 0.046503 0.034104 0.029507 0.025696 0.025519 0.017607 0.014076 0.011487 0.0014076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.0114076 0.001002730	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.440490 0.348310 0.277049 0.178369 0.144351 0.117473 0.096120 0.079065 0.065372 0.05438043 0.027125 0.019663 0.014472 0.01962 0.002975 0.001700 0.001012	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.334025 0.263426 0.208762 0.166230 0.132978 0.106857 0.066463 0.031348 0.021440 0.014846 0.010396 0.007355 0.003220 0.001478	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.806874 0.630812 0.494855 0.307529 0.243564 0.154117 0.098578 0.0636778 0.063679 0.041506 0.027276 0.009849 0.003661 0.001625 0.000564
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6 3.0 5.0 6.0 7.0 6.0 7.0 6.0 7.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.474397 1.385295 1.304615 1.231398 1.164804 1.104104 1.048650 0.997884 0.951305 0.998479 0.869025 0.832596 0.798898 0.767662 0.738652 0.711660 0.686497 0.662999 0.641017 0.582901 0.582901 0.582991 0.519971 0.493364 0.469374 0.418624 0.377924 0.316638 0.272557 0.239215	2.648495 2.329828 2.056278 1.820524 1.616570 1.439467 1.285136 1.150188 1.031802 0.927621 0.835669 0.754281 0.682048 0.517780 0.560458 0.509217 0.462104 0.385040 0.351643 0.294247 0.294247 0.247195 0.208403 0.176259 0.149501 0.100135 0.067943 0.046584 0.015723 0.047836	4.146721 3.571820 3.083898 2.668583 2.314075 2.010667 1.750322 1.526390 1.333329 1.166516 1.022085 0.895783 0.787875 0.693049 0.610344 0.538099 0.474896 0.419526 0.370953 0.328290 0.257744 0.202957 0.160242 0.126822 0.100590 0.056828 0.032426 0.018654 0.010803 0.003683 0.001277	5.778941 4.728867 3.884876 3.203253 2.650260 2.199690 1.831083 1.528384 1.278924 1.072660 0.901587 0.759295 0.640627 0.541418 0.458286 0.388480 0.329749 0.280245 0.238449 0.203106 0.147794 0.107925 0.079055 0.058067 0.042755 0.022072 0.002124 0.000518	1p1y by 10 ⁻³ 1 0.946274 0.726808 0.552133 0.437901 0.343651 0.271728 0.216514 0.173864 0.140711 0.114774 0.094352 0.078166 0.065253 0.054883 0.046503 0.039685 0.034104 0.022519 0.017607 0.025696 0.022519 0.014076 0.011483 0.009542 0.009542 0.0095623 0.004209 0.003323 0.004209 0.003323 0.002708 0.002008	4.727589 3.552840 2.683804 2.038184 1.556391 1.195189 0.923092 0.717107 0.560372 0.40499 0.221659 0.178369 0.144351 0.117473 0.96120 0.079065 0.065372 0.054320 0.038043 0.027125 0.01663 0.014472 0.010802 0.005488 0.002975 0.001700 0.001012 0.000395 0.000395	3 4.731819 3.550097 2.676149 2.027164 1.543179 1.180663 0.907901 0.701723 0.545138 0.425649 0.263426 0.263426 0.166230 0.132978 0.106857 0.066241 0.056877 0.046463 0.031340 0.014846 0.010396 0.007355 0.003220 0.001478 0.000704 0.000347 0.000090 0.000026	37.691360 27.929266 20.773268 15.509909 11.625177 8.747701 6.608552 5.012354 3.816781 2.917866 2.239384 1.725303 1.334281 1.035715 0.805674 0.630812 0.494855 0.389485 0.307529 0.243564 0.154117 0.98578 0.063679 0.041506 0.027276 0.009849 0.003691 0.001425 0.000564 0.000094

TABLE 16 D. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 45$

				L GEOMETRIC	FACTORS (cm²			
N	1	HIL1 2	ET CHANNEL 3	4	1	LOLE 2	T CHANNEL 3	4
		_				_	_	
0.1 0.2	0.130223 0.119629	0.918332 0.793723	0.742733 0.631355	14.603916 11.903152	2.069251 1.538965	9.643903 7.095577	9.340172 6.860009	147.738739 107.7270 66
0.2	0.119029	0.688506	0.538134	9.740588	1.151429	5.244641	5.059727	78.818306
0.4	0.101714	0.599306	0.459861	8.000520	0.867007	3.895399	3.748455	57.870823
0.5 0.6	0.094133 0.087326	0.523386 0.458521	0.393938 0.338251	6.593966 5.452049	0.657306 0.501944	2.908104 2.182733	2.789887 2.086467	42.645817 31.544907
0.7	0.081201	0.402896	0.291076	4.521209	0.386241	1.647515	1.568204	23.424179
0.8	0.075678	0.355023	0.251003	3.759519	0.299602	1.250817	1.184748	17.463150
0.9 1.0	0.070689 0.066174	0.313680 0.277857	0.216874 0.187735	3.134017 2.618647	0.234348 0.184901	0.955397 0.734303	0.899786 0.687049	13.071834 9.825084
1.1	0.062078	0.246718	0.162797	2.192708	0.147191	0.567979	0.527481	7.415466
1.2 1.3	0.058357 0.054969	0.219568 0.195828	0.141406 0.123019	1.839676 1.546295	0.118241 0.095863	0.442184 0.346514	0.407208 0.316100	5.620245 4.277508
1.4	0.051878	0.175010	0.107181	1.301890	0.078441	0.273338	0.246732	3.269178
1.5	0.049053	0.156707	0.093512	1.097821	0.064779	0.217040	0.193642	2.508915
1.6 1.7	0.046466 0.044093	0.140575 0.126321	0.081695 0.071460	0.927074 0.783928	0.053985 0.045394	0.173470 0.139546	0.152798 0.121208	1.933359 1.495854
1.8	0.041913	0.113698	0.062582	0.663709	0.038504	0.112972	0.096648	1.161932
1.9	0.039905 0.038053	0.102496 0.092533	0.054867	0.562575	0.032937	0.092030	0.077452 0.062372	0.90 6 038 0.709155
2.0 2.2	0.034760	0.075729	0.048155 0.037203	0.477363 0.344720	0.028404 0.021616	0.075424 0.051551	0.041015	0.439147
2.4	0.031929	0.062291	0.028845	0.249813	0.016920	0.036010	0.027440	0.275645
2.6 2.8	0.029482 0.027352	0.051472 0.042710	0.02243 9 0.017507	0.181598 0.132375	0.013582 0.011148	0.025664 0.018626	0.018650 0.012857	0.175185 0.112611
3.0	0.025487	0.035574	0.013696	0.096733	0.009331	0.013744	0.008977	0.073138
3.5	0.021729	0.022855	0.007491	0.044567	0.006416	0.006840	0.003837	0.025848
4.0 4.5	0.018911 0.016738	0.014946 0.009918	0.004149 0.002322	0.020760 0.009757	0.004768 0.003747	0.003660 0.002072	0.001733 0.000818	0.009558 0.003662
5.0	0.015020	0.006663	0.001311	0.004620	0.003070	0.001226	0.000399	0.001443
6.0	0.012495	0.0030 98 0.001485	0.000427 0.000142	0.001054 0.000245	0.002248	0.000474	0.000103	0.000239 0.000042
7.0 8.0	0.010738 0.009451	0.001483	0.000142		0.001779 - 0.001482	0.000201 0.000090	0.000029	0.000042
9.0	0.008470	0.000365	0.000017	0.000014	0.001281	0.690042	0.000003	0.000002
10.0	0.007697	0.000185	0.000006	0.000003	0.001137	0.000029	0.000001	0.000000
					FACTORS (cm²			
	•	HII	LET CHANNEL	mult	iply by 10^{-3}	LOLET	T CHANNEL	,
N	1						T CHANNEL	4
0.1	1.418649	HII 2 2.494186	3.852622	mult 4 5,125625	iply by 10 ⁻³ 1 0.970393	LOLET 2 5.099757	3 5.113595	43.152348
0.1 0.2	1.418649 1.337295	HII 2 2.494186 2.208542	3.852622 3.336498	mult 4 5.125625 4.228225	iply by 10 ⁻³ 1 0.970393 0.747515	LOLET 2 5.099757 3.853184	3 5.113595 3.856521	43.152348 32.150486
0.1 0.2 0.3 0.4	1.418649 1.337295 1.263355 1.196013	HII 2 2.494186 2.208542 1.961591 1.747254	3.852622 3.336498 2.895824 2.518515	mult 4 5.125625 4.228225 3.500860 2.908533	1ply by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299	5.099757 3.853184 2.927190 2.236176	3 5.113595 3.856521 2.923030 2.226793	43.152348 32.150486 24.050480 18.065134
0.1 0.2 0.3 0.4 0.5	1.418649 1.337295 1.263355 1.196013 1.134547	HII 2 2.494186 2.208542 1.961591 1.747254 1.560538	3.852622 3.336498 2.895824 2.518515 2.194592	mult 4 5.125625 4.228225 3.500860 2.908533 2.424038	1ply by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982	\$.099757 3.853184 2.927190 2.236176 1.718060	3 5.113595 3.856521 2.923030 2.226793 1.705163	43.152348 32.150486 24.050480 18.065134 13.625697
0.1 0.2 0.3 0.4	1.418649 1.337295 1.263355 1.196013	HII 2 2.494186 2.208542 1.961591 1.747254	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793	mult 4 5.125625 4.228225 3.500860 2.908533	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300	5.099757 3.853184 2.927190 2.236176	3 5.113595 3.856521 2.923030 2.226793	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438	HII 2 2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256	mult 4 5.125625 4.228225 3.500860 2.908533 2.424038 2.026996 1.6969981 1.426473	0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861	HII 2 2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003	mult 4 5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.634698	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438	HII 2 2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256	mult 4 5.125625 4.228225 3.500860 2.908533 2.424038 2.026996 1.6969981 1.426473	0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.418449 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.935861 0.858520 0.824124	HII 2 2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.974293 0.875597	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.01338 0.856566 0.725302	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.121498 0.100254 0.083358	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.634698 0.502160 0.399619 0.319849	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.418449 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.895667 0.8258220 0.824124 0.792213	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 11.258992 1.016850 0.918365 0.830929 0.753105 0.683661	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126	0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.121498 0.100254 0.083358 0.069830	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.634698 0.502160 0.399849 0.257450	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 0.789917 0.617572 0.485294 0.383262 0.38466 0.242546	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.858520 0.824124 0.792213 0.762551 0.734928	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166 0.242546 0.194305 0.156355	43.152348 32.150486 24.050480 18.065134 13.625597 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.418449 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515882	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365	0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.121498 0.100254 0.083358 0.069830 0.059082 0.042861	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.634698 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.138694	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166 0.242546 0.194305 0.156355 0.126358	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.858520 0.824124 0.792213 0.762551 0.734928	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166 0.242546 0.194305 0.156355	43.152348 32.150486 24.050480 18.065134 13.625597 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515882 0.470883 0.430311 0.393667	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365 0.322561 0.275280 0.235161	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.036927 0.036927 0.036927	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.138694 0.114024 0.094202 0.078193	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.383262 0.304166 0.242546 0.194305 0.156358 0.126358 0.102539 0.083538 0.068316	43.152348 32.150486 24.050480 18.065134 13.625597 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.418449 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515882 0.470883 0.470883 0.430311 0.393667 0.360518	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.681338 0.532355 0.471221 0.417465 0.370138 0.328427	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365 0.322561 0.275280 0.235161 0.201073	0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.121498 0.100254 0.083358 0.069830 0.059082 0.042861 0.036927 0.032022 0.024529	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.108556 0.138694 0.114024 0.094202 0.078193 0.065199	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166 0.242546 0.194305 0.156355 0.126358 0.102539 0.083538 0.083538	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4	1.418449 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.895667 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.585296 0.553025	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515882 0.470883 0.430311 0.393667 0.303230 0.255940	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.259125 0.204976	5.125625 4.228225 3.500860 2.90832 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365 0.322561 0.275280 0.235161 0.201073 0.147372 0.108334	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.1148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.030222 0.027942 0.024529 0.019227 0.015394	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806498 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.138656 0.13866 0.14024 0.094202 0.078193 0.065199 0.045920 0.032866	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.485294 0.383262 0.304166 0.242546 0.194305 0.156355 0.126358 0.102539 0.083538 0.068316 0.058151 0.026283	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.553025 0.524142	2.494186 2.208542 1.961591 1.747254 1.569538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515882 0.470883 0.430311 0.393667 0.360518 0.255940 0.216703	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.259125 0.204976 0.162520	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365 0.322561 0.275280 0.235161 0.201073 0.147334 0.079845	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.036927 0.036927 0.036927 0.036927 0.036927 0.036927 0.036927	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.138694 0.114024 0.094202 0.078193 0.065199 0.045920 0.03873	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166 0.242546 0.194305 0.156358 0.102539 0.083538 0.068316 0.056068 0.038151 0.026283 0.018310	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327 0.086559
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4	1.418449 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.895667 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.585296 0.553025	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515882 0.470883 0.430311 0.393667 0.303230 0.255940	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.259125 0.204976	5.125625 4.228225 3.500860 2.90832 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365 0.322561 0.275280 0.235161 0.201073 0.147372 0.108334	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.1148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.030222 0.027942 0.024529 0.019227 0.015394	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806498 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.138656 0.13866 0.14024 0.094202 0.078193 0.065199 0.045920 0.032866	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.485294 0.383262 0.304166 0.242546 0.194305 0.156355 0.126358 0.102539 0.083538 0.068316 0.058151 0.026283	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.418649 1.337295 1.263355 1.196013 1.134547 1.079320 1.026781 0.979438 0.935667 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.5853025 0.524142 0.498157 0.474661 0.424744	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.470883 0.470883 0.470883 0.303230 0.255940 0.216703 0.184000 0.186632 0.105741	3.852622 3.336498 2.895824 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.259125 0.204976 0.162520 0.102792 0.058542	5.125625 4.228225 3.500860 2.90832 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.72530 0.515126 0.522449 0.444331 0.378356 0.322561 0.275280 0.235161 0.201073 0.147372 0.108334 0.079845 0.059845 0.059845	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.1148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.030222 0.027942 0.027942 0.024529 0.019227 0.015394 0.012566 0.010440 0.008813 0.006129	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.8064598 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.13867 0.114024 0.094202 0.078193 0.065199 0.045920 0.032866 0.023873 0.017580 0.013109 0.006611	3 5.113595 3.856521 2.923030 2.226793 1.705186 0.789917 0.617572 0.485294 0.383262 0.304166 0.242546 0.194305 0.156355 0.126358 0.102539 0.085318 0.0550068 0.0550068 0.035008 0.035318 0.056068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327 0.086559 0.057090 0.037935 0.014039
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.858520 0.824124 0.792213 0.762551 0.73428 0.709160 0.685082 0.662539 0.641404 0.621555 0.585296 0.553205 0.524142 0.498157 0.424744 0.384507	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.018850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515882 0.470883 0.430311 0.393667 0.360518 0.303230 0.255940 0.216703 0.184000 0.156632 0.105741 0.072219	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467255 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.25125 0.417465 0.162520 0.129128 0.102792 0.0585542 0.033634	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365 0.322561 0.201073 0.1475280 0.235161 0.201073 0.14734 0.079845 0.058984 0.043662 0.020742 0.009942	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.148386 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.036927 0.036927 0.036927 0.036927 0.05082 0.042861 0.036927 0.019227 0.019227 0.0192566 0.010440 0.008813 0.006129 0.004570	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.138694 0.114024 0.094202 0.078193 0.065199 0.0458920 0.032873 0.017580 0.013109	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166 0.242546 0.194305 0.156358 0.102539 0.083538 0.068316 0.056068 0.038151 0.026283 0.018310 0.012886 0.009152 0.004028 0.001848	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327 0.086559 0.057090 0.037935 0.014039 0.005368
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.418649 1.337295 1.263355 1.196013 1.134547 1.079320 1.026781 0.979438 0.935667 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.5853025 0.524142 0.498157 0.474661 0.424744	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.470883 0.470883 0.470883 0.303230 0.255940 0.216703 0.184000 0.186632 0.105741	3.852622 3.336498 2.895824 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.259125 0.204976 0.162520 0.102792 0.058542	5.125625 4.228225 3.500860 2.90832 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.72530 0.515126 0.522449 0.444331 0.378356 0.322561 0.275280 0.235161 0.201073 0.147372 0.108334 0.079845 0.059845 0.059845	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.1148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.030222 0.027942 0.027942 0.024529 0.019227 0.015394 0.012566 0.010440 0.008813 0.006129	\$.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.8064598 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.13867 0.114024 0.094202 0.078193 0.065199 0.045920 0.032866 0.023873 0.017580 0.013109 0.006611	3 5.113595 3.856521 2.923030 2.226793 1.705186 0.789917 0.617572 0.485294 0.383262 0.304166 0.242546 0.194305 0.156355 0.126358 0.102539 0.085318 0.0550068 0.0550068 0.035008 0.035318 0.056068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068 0.0350068	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327 0.086559 0.057090 0.037935 0.014039
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.585296 0.524142 0.498157 0.474661 0.424744 0.384507 0.251368	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515885 0.470883 0.470883 0.303230 0.255940 0.216703 0.184000 0.1184000 0.1186632 0.105741 0.072219 0.049791 0.034597 0.017017	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.259125 0.204976 0.162520 0.102192 0.058542 0.03634 0.019463 0.019463 0.019463	5.125625 4.228225 3.500860 2.90832 2.424038 2.026096 1.697981 1.4261058 1.013339 0.856566 0.72530 0.615126 0.522449 0.444331 0.378365 0.322561 0.201073 0.147372 0.108334 0.079845 0.020742 0.009942 0.004799 0.002330 0.000557	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.1148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.050082 0.042861 0.036927 0.015394 0.012566 0.010440 0.008813 0.006129 0.004570 0.003595 0.002946 0.002159	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.13869 0.078193 0.065199 0.045920 0.032866 0.023873 0.017580 0.013109 0.006611 0.003541 0.001974	3 5.113595 3.856521 2.923030 2.226793 1.705186 0.789917 0.617572 0.485294 0.383262 0.304166 0.194305 0.156355 0.126358 0.102539 0.085318 0.0550068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.036836	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327 0.0865599 0.057090 0.037935 0.014039 0.005368 0.002107 0.000844
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 4.5 5.0 6.0 7.0	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.895667 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.585296 0.553025 0.524142 0.498157 0.424744 0.384507 0.251368 0.123575 0.279494 0.246004	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.621554 0.565885 0.515882 0.470883 0.470883 0.303230 0.255940 0.216703 0.184000 0.156632 0.1505741 0.072219 0.049791 0.049791 0.049797 0.017017	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467255 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.47165 0.370138 0.328427 0.25125 0.471221 0.417465 0.370138 0.328427 0.25125 0.102792 0.058542 0.03634 0.019463 0.01360	5.125625 4.228225 3.500860 2.908533 2.424038 2.026096 1.697981 1.426473 1.201058 1.013339 0.856566 0.725302 0.615126 0.522449 0.444331 0.378365 0.322561 0.275280 0.235161 0.201073 0.147372 0.108334 0.079845 0.058984 0.043662 0.020742 0.009942 0.004799 0.002330 0.000557 0.000135	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.182844 0.184886 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.032022 0.027942 0.024529 0.019227 0.015394 0.012566 0.010440 0.008813 0.006129 0.004570 0.003595 0.002159 0.002159	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.138694 0.114024 0.094202 0.078193 0.065199 0.045920 0.032873 0.017580 0.013109 0.006611 0.003541 0.001974 0.00187	3 5.113595 3.856521 2.923030 2.226793 1.705163 1.312530 1.015586 0.789917 0.617572 0.485294 0.304166 0.242546 0.194305 0.156355 0.126358 0.102539 0.083538 0.068316 0.056068 0.038151 0.026283 0.018310 0.012886 0.009152 0.000428 0.000428 0.000429 0.000429 0.000429 0.000429	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.13227 0.086559 0.057090 0.037935 0.014039 0.005368 0.002107 0.000844 0.000143
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0	1.418649 1.337295 1.263355 1.196013 1.134547 1.078320 1.026781 0.979438 0.935861 0.858520 0.824124 0.792213 0.762551 0.734928 0.709160 0.685082 0.662539 0.641404 0.621555 0.585296 0.524142 0.498157 0.474661 0.424744 0.384507 0.251368	2.494186 2.208542 1.961591 1.747254 1.560538 1.397301 1.254109 1.128092 1.016850 0.918365 0.830929 0.753105 0.683661 0.621554 0.565885 0.515885 0.470883 0.470883 0.303230 0.255940 0.216703 0.184000 0.1184000 0.1186632 0.105741 0.072219 0.049791 0.034597 0.017017	3.852622 3.336498 2.895824 2.518515 2.194592 1.915793 1.675257 1.467256 1.287003 1.130476 0.994293 0.875597 0.771964 0.681338 0.601968 0.532355 0.471221 0.417465 0.370138 0.328427 0.259125 0.204976 0.162520 0.102192 0.058542 0.03634 0.019463 0.019463 0.019463	5.125625 4.228225 3.500860 2.90832 2.424038 2.026096 1.697981 1.4261058 1.013339 0.856566 0.72530 0.615126 0.522449 0.444331 0.378365 0.322561 0.201073 0.147372 0.108334 0.079845 0.020742 0.009942 0.004799 0.002330 0.000557	191y by 10 ⁻³ 1 0.970393 0.747515 0.579964 0.453299 0.356982 0.283300 0.226582 0.182644 0.1148386 0.121498 0.100254 0.083358 0.069830 0.058927 0.050082 0.042861 0.036927 0.050082 0.042861 0.036927 0.015394 0.012566 0.010440 0.008813 0.006129 0.004570 0.003595 0.002946 0.002159	5.099757 3.853184 2.927190 2.236176 1.718060 1.327667 1.032015 0.806946 0.502160 0.399619 0.319849 0.257450 0.208370 0.169556 0.13869 0.078193 0.065199 0.045920 0.032866 0.023873 0.017580 0.013109 0.006611 0.003541 0.001974	3 5.113595 3.856521 2.923030 2.226793 1.705186 0.789917 0.617572 0.485294 0.383262 0.304166 0.194305 0.156355 0.126358 0.102539 0.085318 0.0550068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.035068 0.036836	43.152348 32.150486 24.050480 18.065134 13.625697 10.320169 7.849264 5.994868 4.597538 3.540340 2.737211 2.124616 1.655468 1.294735 1.016276 0.800490 0.632643 0.501605 0.398936 0.318219 0.204162 0.132327 0.0865599 0.057090 0.037935 0.014039 0.005368 0.002107 0.000844

TABLE 16 E. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 60$

				AL GEOMETRIC	FACTORS (cm²			
N	1	WILI 2	ET CHANNEL 3	4	1	LOLI 2	ET CHANNEL 3	4
	•	•	•	•	•	•	,	•
0.1	0.129818	0.889776	0.707681	13.410593	2.186150	10.764181	10.473797	173.602844
0.2 0.3	0.11970 9 0.110648	0.774610 0.676662	0.605266 0.519002	11.015709 9.082786	1.626262 1.217046	7.928463 5.867246	7.700666 5.686291	126.792564 92.932007
0.4	0.102512	0.593018	0.446114	7.515243	0.916665	4.363448	4.217915	68.364723
0.5	0.095192	0.521312	0.384341	6.238239	0.695158	3.262041	3.143541	50.483662
0. 6 0.7	0.088592 0.082630	0.459606 0.406314	0.331836 0.287085	5.193528 4.335485	0.531009 0.408730	2.451992 1.853619	2.354372 1.772306	37.426006 27.857796
0.8	0.077234	0.360129	0.248843	3.628190	0.317136	1.409567	1.341137	20.821415
0.9	0.072341	0.319970	0.216083	3.043184	0.248125	1.078439	1.020310	15.627750
1.0	0.067896	0.284940	0.187951	2.557815 2.153967	0.195810	0.830267	0.780470	11.779626 8.917233
1.1 1.2	0.063850 0.060160	0.254292 0.227401	0.163741 0.142861	1.817051	0.155896 0.125238	0. 643289 0.501646	0.600307 0.464300	6.779535
1.3	0.056788	0.203744	0.124818	1.535295	0.101528	0.393743	0.361104	5.176538
1.4	0.053703	0.182877	0.109197	1.299141	0.083060	0.311067	0.282396	3.969521
1.5 1.6	0.050873 0.048274	0.164426 0.148074	0.095650 0.083880	1.100801 0.933914	0.068570 0.057116	0.247348 0.197946	0.222051 0.175539	3.056865 2.363887
1.7	0.045882	0.133551	0.073639	0.793241	0.047995	0.159413	0.139499	1.835497
1.8	0.043678	0.120624	0.064715	0.674477	0.040677	0.129175	0.111425	1.430924
1.9 2.0	0.041643 0.039761	0.109097 0.0 9 8799	0.056928 0.050125	0.574063 0.489047	0.034761 0.029944	0.105304 0.086347	0.089442 0.072139	1.119868 0.879734
2.2	0.036399	0.081319	0.038959	0.355815	0.022727	0.059033	0.047567	0.548777
2.4	0.033498	0.067228	0.030376	0.259654	0.017734	0.041208	0.031894	0.346950
2.6	0.030977	0.055802	0.023750	0.189980	0.014187	0.029318	0.021712	0.222055
2.8 3.0	0.028775 0.026841	0.046487 0.038857	0.018617 0.014628	0.139325 0.102388	0.011603 0.009677	0.021224 0.015608	0.014984 0.010467	0.143707 0.093938
3.5	0.022923	0.025144	0.008076	0.102303	0.006599	0.007681	0.010467	0.033685
4.0	0.019968	0.016530	0.004508	0.022494	0.004871	0.004055	0.002009	0.012609
4.5	0.017680	0.011012	0.002539	0.010671	0.003810	0.002264	0.000942	0.004878
5.0 6.0	0.015867 0.013195	0.007419 0.003462	0.001441 0.000473	0.005094 0.001178	0.003111 0.002271	0.001322 0.000500	0.000456 0.000116	0.001937 0.000324
7.0	0.011334	0.001663	0.000159	0.000277	0.001797	0.000209	0.000032	0.000058
8.0	0.009971	0.000817	0.000054	0.000066	0.001498	0.000093	0.000009	0.000011
9.0 10.0	0.008931 0.008112	0.000409 0.000207	0.000019 0.000007	0.000016 0.000004	0.001296 0.001152	0.000043 0.000021	0.000003 0.000001	0.000002 0.000000
10.0	0.000112	0.000207	0.00007	0.00004	0.001132	0.00021	0.000001	0.00000
					FACTORS (cm		T CHANNES	
N	1		MNIDIRECTION LET CHANNEL 3		FACTORS (cm iply by 10 ⁻³		T CHANNEL	4
		HII 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³ 1	LOLE	3	
0.1	1.402126	HII 2 2.386375	3.626299	mult 4 4.624235	iply by 10 ⁻³ 1 1.004888	LOLE 2 5.441343	3 5.445580	47.489666
		HII 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³ 1	LOLE	3	
0.1 0.2 0.3 0.4	1.402126 1.325210 1.255083 1.191012	HII 2 2.386375 2.124020 1.895895 1.696779	3.626299 3.153967 2.748739 2.400142	##1 t 4 4.624235 3.837259 3.195414 2.669479	1.004888 0.775570 0.602945 0.472247	LOLE 2 5.441343 4.128124 3.149558 2.416861	3 5.445580 4.123476 3.138606 2.401575	47.489666 35.524059 26.686951 20.134951
0.1 0.2 0.3 0.4 0.5	1.402126 1.325210 1.255083 1.191012 1.132351	2.386375 2.124020 1.895895 1.696779 1.522352	3.626299 3.153967 2.748739 2.400142 2.099483	##1 t 4.624235 3.837259 3.195414 2.669479 2.236674	1004888 0.775570 0.602945 0.472247 0.372703	5.441343 4.128124 3.149558 2.416861 1.865510	3 5.445580 4.123476 3.138606 2.401575 1.847401	47.489666 35.524059 26.686951 20.134951 15.257811
0.1 0.2 0.3 0.4 0.5	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027	3.626299 3.153967 2.748739 2.400142	4.624235 3.837259 3.195414 2.669479 2.236674 1.879073	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418	5.441343 4.128124 3.149558 2.416861 1.865510 1.448489	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694	47.489666 35.524059 26.686951 20.134951
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215	3.626299 3.153967 2.748739 2.400142 2.099483 1.839550	##1 t 4.624235 3.837259 3.195414 2.669479 2.236674	1004888 0.775570 0.602945 0.472247 0.372703	5.441343 4.128124 3.149558 2.416861 1.865510	3 5.445580 4.123476 3.138606 2.401575 1.847401	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.23820 1.114215 1.008102	3.626299 3.153967 2.748739 2.400142 2.099483 1.83950 1.614303 1.418694 1.248486	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239	10LE 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.9841398 0.902487	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292	101y by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173	LOLE 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620	47. 489666 35. 524059 26. 686951 20. 134951 15. 257811 11. 612545 8. 876703 6. 814703 5. 254162 4. 067962
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.23820 1.114215 1.008102	3.626299 3.153967 2.748739 2.400142 2.099483 1.83950 1.614303 1.418694 1.248486	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239	10LE 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162
9.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.0983472 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017	1.01E 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.46672 0.359167 0.290387	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.327885 0.273120	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.067962 3.162499 2.162499 1.934177
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.758236	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261	101y by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532	101E 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.067962 3.162499 2.468434 1.934177 1.521245
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828 0.772828	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973	mult 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.053194	101E ² 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.10774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815 0.177682	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 3.162499 2.468434 1.934177 1.921245 1.200798
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828 0.745758 0.720452 0.696753	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.522529 0.478135	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.312589	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.053194 0.045553 0.039262	101E 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.067962 3.162499 2.468434 1.934177 1.521245
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.772828 0.745758 0.720452 0.720452 0.674524	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.467196 0.414831	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.312589 0.267589	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.053194 0.045553 0.039262 0.034050	101E 2 5.441343 4.128124 3.149558 2.416861 1.8655510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.130612 0.108243	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.067962 3.162499 2.468434 1.200798 0.951142 0.951142 0.602634
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828 0.745758 0.720452 0.696753 0.674524 0.653641	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575	3.626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.467196 0.414831 0.368600	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.312589 0.2675889 0.229265	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.039262 0.039262 0.039262 0.034050 0.029708	101E ² 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.158324 0.108243 0.090099	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.06798 2.468434 1.934177 1.521245 1.200798 0.9551142 0.75589 0.481896
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.772828 0.745758 0.720452 0.720452 0.674524	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.467196 0.414831	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.312589 0.267589	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.053194 0.045553 0.039262 0.034050	101E 2 5.441343 4.128124 3.149558 2.416861 1.8655510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.130612 0.108243	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.067962 3.162499 2.468434 1.200798 0.951142 0.951142 0.602634
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 2.0 2.2	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.0983472 0.981398 0.902487 0.866433 0.832960 0.801830 0.772828 0.745758 0.720452 0.674524 0.653641 0.633994 0.598011 0.565885	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.248486 0.557104 0.757756 0.670578 0.593973 0.526571 0.467196 0.414831 0.368600 0.327743 0.259600 0.206097	#u1t 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.690747 0.588043 0.501261 0.427796 0.36589 0.229265 0.144854 0.107011	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.053194 0.045553 0.039262 0.034050 0.029708 0.026068 0.020404 0.016298	101E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.130612 0.108243 0.090099 0.075312 0.053248 0.038204	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914 0.065000 0.044519 0.030845	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.067962 3.162499 2.468434 1.934177 1.521245 1.200798 0.951142 0.951142 0.481896 0.386454 0.186451
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.775788 0.720452 0.696753 0.674524 0.653641 0.633994 0.565885 0.537051	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.44631 0.368600 0.327743 0.2566097 0.163958	### 4	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.039262 0.03194 0.045553 0.039262 0.034050 0.029708 0.026068 0.020408 0.016298 0.013265	101E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.158324 0.108243 0.090099 0.075312 0.053248 0.038204 0.027782	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914 0.065000 0.044519 0.030845 0.021593	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.06793 2.468434 1.934177 1.521245 1.200798 0.951142 0.755895 0.602634 0.481896 0.386454 0.25053 0.164011 0.108309
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828 0.745758 0.720452 0.696753 0.674524 0.653641 0.633994 0.598011 0.565885 0.537051 0.511040	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631	3.626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.467196 0.467196 0.468600 0.327743 0.259600 0.206097 0.163958 0.130677	### 4	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.065532 0.032956 0.032956 0.032956 0.020404 0.016298 0.013265 0.013265 0.013265	101E 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.130612 0.108243 0.090099 0.075312 0.053248 0.038204 0.027782 0.020454	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.10774 0.868163 0.682077 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.996131 0.078914 0.065000 0.044519 0.021593 0.015256	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.06762 4.016762 1.521245 0.755895 0.602634 0.16410 0.386454 0.250534 0.160309 0.072083
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828 0.745758 0.720452 0.674524 0.633994 0.5965885 0.537051 0.585885 0.537051 0.437221	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631 0.223950 0.190727 0.162807 0.110569	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.467196 0.414831 0.368600 0.327743 0.259600 0.206097 0.163958 0.13067 0.104228 0.059800	### 4	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.033194 0.045553 0.039262 0.034050 0.029708 0.026068 0.020404 0.016298 0.013265 0.019983 0.009238	101E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.158324 0.108243 0.090099 0.075312 0.053248 0.038204 0.027782	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.682077 0.538620 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914 0.065000 0.044519 0.030845 0.021593 0.015256 0.010869 0.004805	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.06793 2.468434 1.934177 1.521245 1.200798 0.951142 0.755895 0.602634 0.481896 0.386454 0.25053 0.164011 0.108309
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 8 3.0 3.5 4.0 3.5 4.0 4.0 4.0 5.0 6.0 6.0 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.402126 1.325210 1.255083 1.191012 1.132351 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.7727828 0.745758 0.720452 0.696753 0.674524 0.653641 0.633994 0.565885 0.537051 0.511040 0.487469 0.437221 0.396553	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631 0.223950 0.190727 0.162807 0.110569 0.075889	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.447196 0.414831 0.368600 0.327743 0.2566097 0.163958 0.130677 0.104328 0.104328 0.104328	### 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.267589 0.229265 0.196586 0.144854 0.107011 0.079233 0.058783 0.043688 0.043688	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.039262 0.039262 0.034050 0.029708 0.026068 0.020404 0.016298 0.013265 0.010983 0.009238 0.009238 0.009238	1.01E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.158324 0.108243 0.090099 0.075312 0.053248 0.038204 0.027782 0.020454 0.015232 0.007622 0.007622	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914 0.065000 0.044519 0.015256 0.015256 0.010869 0.004205	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.06793 2.468434 1.934177 1.521245 0.755895 0.602634 0.481896 0.386454 0.250534 0.168309 0.072083 0.048308 0.048308 0.048308 0.048308
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.5 4.5	1.402126 1.325210 1.255083 1.191012 1.132351 1.078532 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828 0.745758 0.720452 0.696753 0.674524 0.653641 0.633994 0.598011 0.565885 0.537051 0.511040 0.487469 0.487469 0.487469 0.396553 0.362951	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.4368546 0.311217 0.263631 0.223950 0.190727 0.162807 0.105689 0.075889	3.626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.467196 0.414831 0.327743 0.259600 0.2063958 0.130677 0.104328 0.05988 0.130677 0.1043280 0.034545 0.020084	### 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.6590747 0.588043 0.501261 0.427796 0.312589 0.267589 0.267589 0.126586 0.144854 0.107011 0.079233 0.043688 0.020940 0.010114 0.004915	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.034050 0.092708 0.029708 0.029668 0.020404 0.016298 0.013265 0.013265 0.010983 0.009238 0.009238 0.006364 0.0009709	1.01E ² 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.130612 0.108243 0.090099 0.075312 0.053248 0.038204 0.027782 0.027782 0.020454 0.015232 0.007622 0.004032 0.007237	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.10774 0.868163 0.682077 0.538620 0.273120 0.219815 0.177682 0.144221 0.117525 0.996131 0.078914 0.065000 0.044519 0.021593 0.015256 0.001869 0.004805 0.002205 0.001044	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.06792 2.468434 1.934177 1.521245 0.755895 0.602634 0.164010 0.386454 0.250534 0.164010 0.072083 0.048308 0.048208 0.002819
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 8 3.0 3.5 4.0 3.5 4.0 4.0 4.0 5.0 6.0 6.0 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.402126 1.325210 1.255083 1.191012 1.132351 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.7727828 0.745758 0.720452 0.696753 0.674524 0.653641 0.633994 0.565885 0.537051 0.511040 0.487469 0.437221 0.396553	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631 0.223950 0.190727 0.162807 0.110569 0.075889	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.447196 0.414831 0.368600 0.327743 0.2566097 0.163958 0.130677 0.104328 0.104328 0.104328	### 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.267589 0.229265 0.196586 0.144854 0.107011 0.079233 0.058783 0.043688 0.043688	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.039262 0.039262 0.034050 0.029708 0.026068 0.020404 0.016298 0.013265 0.010983 0.009238 0.009238 0.009238	1.01E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.158324 0.108243 0.090099 0.075312 0.053248 0.038204 0.027782 0.020454 0.015232 0.007622 0.007622	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914 0.065000 0.044519 0.015256 0.015256 0.010869 0.004205	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.06793 2.468434 1.934177 1.521245 0.755895 0.602634 0.481896 0.386454 0.250534 0.168309 0.072083 0.048308 0.048308 0.048308 0.048308
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 8 3.0 5.0 6 6 7.0 6 7.0 6 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.402126 1.325210 1.255083 1.191012 1.132351 1.073531 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.7727828 0.745758 0.720452 0.696753 0.674524 0.653641 0.633994 0.5365885 0.537051 0.511040 0.487469 0.437221 0.396553 0.362951 0.334702 0.289767 0.289767	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631 0.223950 0.190727 0.162807 0.110569 0.075889 0.052538 0.036634 0.018123 0.009127	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.447196 0.414831 0.368600 0.327743 0.256600 0.327743 0.256600 0.327743 0.368600 0.327743 0.328600 0.	### 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.312589 0.229265 0.196586 0.144854 0.107011 0.079233 0.058783 0.043688 0.020940 0.010114 0.004915 0.002401 0.000580 0.000142	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.039262 0.039262 0.034050 0.029708 0.026068 0.020404 0.016298 0.013265 0.010983 0.009238 0.009238 0.009238 0.009238 0.006364 0.004707 0.903679 0.002189 0.002189	101E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.130612 0.053248 0.032243 0.09099 0.075312 0.053248 0.038204 0.027782 0.020454 0.015232 0.007622 0.004032 0.002237 0.001294 0.000479 0.000196	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914 0.065000 0.044519 0.015256 0.0010869 0.004805 0.002205 0.001044 0.000507 0.000128 0.000028	47.489666 35.524059 26.686951 20.134951 11.612545 8.876703 6.814780 5.254162 4.06763 3.162499 2.468434 1.934177 1.521245 0.755895 0.602634 0.481896 0.386454 0.250534 0.164011 0.108309 0.072083 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.007084 0.007084
0.1 0.2 0.3 0.4 0.5 0.7 0.9 1.0 1.1 1.2 1.3 1.45 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.5 4.5 6.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	1.402126 1.325210 1.255083 1.191012 1.132351 1.079351 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.772828 0.745758 0.720452 0.696753 0.6753641 0.633994 0.598011 0.565885 0.537051 0.511040 0.487469 0.487469 0.487469 0.3362951 0.334702 0.289767 0.255525 0.228488	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631 0.223950 0.190727 0.162807 0.110569 0.075889 0.075889 0.075889 0.036634 0.018123 0.009127 0.004660	3.626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593673 0.467196 0.414831 0.368600 0.326774 0.0526007 0.1639677 0.104328 0.059800 0.034545 0.059800 0.034545 0.059800 0.034545 0.059800 0.034545 0.004064 0.011740 0.004064 0.001427 0.000506	### 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.312589 0.267589 0.267589 0.267589 0.267589 0.144854 0.107011 0.079213 0.043688 0.020940 0.010114 0.004915 0.002401 0.000580 0.000142 0.000035	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.08234 0.074017 0.062532 0.034050 0.029708 0.029708 0.029668 0.020404 0.016298 0.013265 0.01983 0.002938 0.006364 0.004707 0.002189 0.003679 0.003679 0.001735 0.001451	1.01E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.130612 0.108243 0.090099 0.075312 0.053248 0.038204 0.027782 0.027782 0.020454 0.015232 0.007622 0.004032 0.002237 0.001294 0.000479 0.000087	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.10774 0.868163 0.632077 0.538620 0.273120 0.219815 0.177682 0.144221 0.117525 0.996131 0.078914 0.065000 0.044519 0.021593 0.015256 0.010869 0.004805 0.00205 0.000128 0.000035 0.000018	47.489666 35.524059 26.686951 20.134951 15.257811 11.612545 8.876703 6.814780 5.254162 4.067699 2.468434 1.934177 1.521245 0.755895 0.602634 0.16410 0.481896 0.386454 0.250534 0.16410 0.16421 0.16421 0.16421 0.16421 0.00197 0.000035 0.000007
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 8 3.0 5.0 6 6 7.0 6 7.0 6 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0	1.402126 1.325210 1.255083 1.191012 1.132351 1.073531 1.029051 0.983472 0.941398 0.902487 0.866433 0.832960 0.801830 0.7727828 0.745758 0.720452 0.696753 0.674524 0.653641 0.633994 0.5365885 0.537051 0.511040 0.487469 0.437221 0.396553 0.362951 0.334702 0.289767 0.289767	2.386375 2.124020 1.895895 1.696779 1.522352 1.369027 1.233820 1.114215 1.008102 0.913705 0.829511 0.754236 0.686778 0.626196 0.571680 0.522529 0.478135 0.437970 0.401575 0.368546 0.311217 0.263631 0.223950 0.190727 0.162807 0.110569 0.075889 0.052538 0.036634 0.018123 0.009127	3 .626299 3.153967 2.748739 2.400142 2.099483 1.839550 1.614303 1.418694 1.248486 1.100091 0.970487 0.857104 0.757756 0.670578 0.593973 0.526571 0.447196 0.414831 0.368600 0.327743 0.256600 0.327743 0.256600 0.327743 0.368600 0.327743 0.328600 0.	### 4 4.624235 3.837259 3.195414 2.669479 2.236674 1.879073 1.582518 1.335739 1.129744 0.957292 0.812540 0.690747 0.588043 0.501261 0.427796 0.365499 0.312589 0.229265 0.196586 0.144854 0.107011 0.079233 0.058783 0.043688 0.020940 0.010114 0.004915 0.002401 0.000580 0.000142	1ply by 10 ⁻³ 1 1.004888 0.775570 0.602945 0.472247 0.372703 0.296418 0.237586 0.191920 0.156239 0.128173 0.105950 0.088234 0.074017 0.062532 0.039262 0.039262 0.034050 0.029708 0.026068 0.020404 0.016298 0.013265 0.010983 0.009238 0.009238 0.009238 0.009238 0.006364 0.004707 0.903679 0.002189 0.002189	101E ¹ 2 5.441343 4.128124 3.149558 2.416861 1.865510 1.448489 1.131398 0.888989 0.702654 0.558624 0.446672 0.359167 0.290387 0.236029 0.192834 0.158324 0.130612 0.053248 0.032243 0.09099 0.075312 0.053248 0.038204 0.027782 0.020454 0.015232 0.007622 0.004032 0.002237 0.001294 0.000479 0.000196	3 5.445580 4.123476 3.138606 2.401575 1.847401 1.428694 1.110774 0.868163 0.427459 0.340885 0.273120 0.219815 0.177682 0.144221 0.117525 0.096131 0.078914 0.065000 0.044519 0.015256 0.0010869 0.004805 0.002205 0.001044 0.000507 0.000128 0.000028	47.489666 35.524059 26.686951 20.134951 11.612545 8.876703 6.814780 5.254162 4.06763 3.162499 2.468434 1.934177 1.521245 0.755895 0.602634 0.481896 0.386454 0.250534 0.164011 0.108309 0.072083 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.048308 0.007084 0.007084

TABLE 16 F. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 75$

				L GEOMETRIC	FACTORS (cm²			
N	1	HILI 2	ET CHANNEL 3	4	1	LOL 2	ET CHANNEL.	4
		_						
0.1 0.2	0.131740 0.121765	0.875476 0.765343	0.689157 0.591432	12.686616 10.463888	2.291844 1.704782	11.555367 8.516230	11.271485 8.291541	190.534790 139.282166
0.3	0.112802	0.671295	0.508839	8.662563	1.275728	6.306295	6.126221	102.185646
0.4 0.5	0.104732 0.097453	0.590653 0.521234	0.438814 0.379265	7.195703 5.995823	0.960796 0.728562	4.693296 3.511318	4.547204 3.391392	75.251884 55.633568
0.6	0.090874	0.461250	0.379203	5.010234	0.556467	2.641540	2.541990	41.295380
0.7	0.084916	0.409234	0.285046	4.197505	0.428269	1.998656	1.915155	30.779230
0.8 0.9	0.079511 0.074598	0.363970 0.324455	0.247808 0.215802	3.524932 2.966513	0.332239 0.259884	1.521249	1.450545	23.038046 17.317974
1.0	0.070123	0.289852	0.188230	2.501462	0.205030	0.897766	0.845802	13.074845
1.1 1.2	0.066041 0.062309	0.259461 0.232 6 96	0.164425 0.143832	2.113099 1.787961	0.163178 0.131030	0.696263 0.543479	0.651242 0.504241	9.914648 7.551361
1.3	0.058892	0.209063	0.125983	1.515114	0.106166	0.426976	0.392602	5.776652
1.4 1.5	0.055758 0.052879	0.188144 0.169584	0.110484 0.097003	1.285667 1.092340	0.086798 0.071601	0.337622 0.268686	0.307374 0.241963	4.438292 3.424688
1.6	0.050228	0.153082	0.085259	0.929158	0.059589	0.215182	0.191494	2.653761
1.7	0.047784	0.138378	0.075013	0.791194	0.050023	0.173406	0.152345	2.064897
1.8 1.9	0.045528 0.043440	0.125252 0.113512	0.066061 0.058230	0.674377 0.575330	0.042349 0.036146	0.140590 0.114657	0.121816 0.097883	1.613187 1.265232
2.0	0.041507	0.102994	0.051371	0.491244	0.031096	0.094042	8.079024	0.996088
2.2 2.4	0.038045 0.035048	0.085072 0.070553	0.040075 0.031352	0.358963 0.263016	0.023533 0.018366	0.064301 0.044862	0.052199 0.035052	0.624072 0.396264
2.6	0.032437	0.058728	0.024591	0.193173	0.014596	0.031882	0.023890	0.254696
2.8	0.030151	0.049048	0.019333	0.142174	0.011898	0.023039	0.016500	0.165512
3.0 3.5	0.028138 0.024049	0.041090 0.026712	0.015232 0.008460	0.104834 0.049287	0.009891 0.006697	0.016903 0.008253	0.011532 0.004920	0.108622 0.039308
4.0	0.020954	0.017621	0.004745	0.023363	0.004915	0.004314	0.002208	0.014831
4.5 5.0	0.018552 0.01 6 646	0.011769 0.007944	0.002684 0.001528	0.011148 0.005349	0.003830 0.003121	0.002382 0.001377	0.001030 0.000496	0.005776 0.002306
6.0	0.013834	0.003715	0.000504	0.001248	0.002275	0.000511	0.000124	0.000389
7.0	0.011875	0.001787	0.000170	0.000295	0.001802	0.000211	0.000034	0.000069
8.0 9.0	0.010440 0.009347	0.000878 0.000439	0.000058 0.000020	0.000071 0.000017	0.001505 0.001305	0.000093 0.000043	0.000010 0.000003	0.000013 0.000002
10.0	0.008486	0.000223	0.000007	0.000004	0.001162	0.000021	0.000001	0.000000
					FACTURS (cm			
	1	HI	LET CHANNEL	mult	iply by 10^{-3}	LOLE	T CHANNEL	4
N	1	HI1 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³ 1	LOLE 2	3	4
0.1	1.414929	HII 2 2.329264	3.505438	mult 4 4.334063	iply by 10 ⁻³ 1 1.042319	LOLE 2 5.676846	3 5.671995	50.020561
0.1 0.2 0.3	1.414929 1.339485 1.270558	HII 2 2.329264 2.079216 1.861105	3.505438 3.055892 2.669242	#ult 4 4.334063 3.607288 3.012681	1.042319 0.805319 0.626764	5.676846 4.317562 3.302778	3 5,671995 4,305333 3,285365	50.020561 37.503685 28.243124
0.1 0.2 0.3 0.4	1.414929 1.339485 1.270558 1.207461	HII 2 2.329264 2.079216 1.861105 1.670135	3.505438 3.055892 2.669242 2.335802	4.334063 3.607288 3.012681 2.523970	1.042319 0.805319 0.626764 0.491456	5.676846 4.317562 3.302778 2.541418	3 5.671995 4.305333 3.285365 2.520553	50.020561 37.503685 28.243124 21.364159
0.1 0.2 0.3	1.414929 1.339485 1.270558	HII 2 2.329264 2.079216 1.861105	3.505438 3.055892 2.669242	#ult 4 4.334063 3.607288 3.012681	1.042319 0.805319 0.626764	5.676846 4.317562 3.302778	3 5,671995 4,305333 3,285365	50.020561 37.503685 28.243124
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361	NII 2 2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665	mult 4 4.334063 3.607288 3.012681 2.523970 2.120563 1.786249 1.508190	1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751
0.1 0.2 0.3 0.4 0.5	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673	mult 4.334063 3.607288 3.012681 2.523970 2.120563 1.786249 1.508190 1.276139	1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.096308 0.960308	HII 2 2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115	4,334063 3,607288 3,012681 2,52397 2,122563 1,786249 1,508190 1,276139 1,081892 0,918836	1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597	411 2 2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142	4,334063 3,607288 3,012681 2,523970 2,120563 1,786249 1,508190 1,276139 1,081892 0,918835 0,781611	1.042319 0.805319 0.626764 0.491456 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.096308 0.960308	HII 2 2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115	4,334063 3,607288 3,012681 2,52397 2,122563 1,786249 1,508190 1,276139 1,081892 0,918836	1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507	4.334063 3.607288 3.012681 2.523970 2.120563 1.786249 1.508190 1.276139 1.081692 0.918836 0.781611 0.665856 0.568004 0.485125	1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.097501 0.077627	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542	50.020561 37.503685 243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.109789 1.564898
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.8552154 0.821005	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.004127 0.911983 0.829580 0.755713 0.689352	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752	4,334063 3,607288 3,012681 2,523970 2,120563 1,786249 1,508190 1,276139 1,081892 0,918836 0,781611 0,665856 0,568004 0,485125 0,414803	1.042319 0.805319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.248073 0.134203 0.111012 0.092501 0.077627	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749800 0.479578 0.386745 0.313562 0.255550 0.209313	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299	50.020561 37.503685 32.503685 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.683642 2.109789
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.8552154 0.821005 0.791939 0.764772 0.739338 0.715488	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.527043 0.482973	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935	4.334063 3.607288 3.012681 2.523970 2.120563 1.786249 1.508190 1.276139 1.081892 0.918836 0.781611 0.665856 0.568004 0.485125 0.414803 0.355039 0.304174	1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.20595 0.134203 0.111012 0.092501 0.077627 0.065597 0.055804 0.041169	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192542 0.192542 0.192542	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.683642 2.109789 1.664898 1.18579 1.047916 0.835563
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.527043 0.482973 0.482973	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.413365	4.334063 3.607288 3.012681 2.523762 2.120563 1.786249 1.508190 1.276139 1.081692 0.918836 0.781611 0.6658004 0.485125 0.414803 0.355039 0.304174 0.260822	1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.077627 0.055804 0.047782 0.041169 0.035686	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 1.664898 1.318579 1.047916 0.668336
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087 0.672019	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.527043 0.482973 0.443021 0.406746 0.373766	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.464935 0.46762 0.327396	4,334063 3,607288 3,012681 2,523970 2,120563 1,786249 1,508190 1,276139 1,081892 0,918836 0,781611 0,665856 0,568004 0,485125 0,414803 0,355039 0,304174 0,260822 0,223829 0,192225	1.042319 0.805319 0.626764 0.491456 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.077627 0.055804 0.047782 0.041169 0.035686 0.031113 0.027278	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.998633 0.082580	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328	50.020561 37.503685 28.243124 21.364159 16.233192 12.389751 7.314475 5.657033 4.392650 2.683642 2.109789 1.664898 1.318579 1.047916 0.835563 0.65836 0.65836 0.431360
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087 0.672019 0.652174 0.615770	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.575731 0.527043 0.482973 0.443021 0.406746 0.373766 0.373766	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.413365 0.367762 0.327396 0.259924	4, 334063 3, 607288 3, 012681 2, 523970 2, 120563 1, 786249 1, 508190 1, 276139 1, 081692 0, 918836 0, 781611 0, 665856 0, 568004 0, 485125 0, 414803 0, 355039 0, 304174 0, 260822 0, 223829 0, 192225 0, 142060	1042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.20595 0.134203 0.111012 0.092501 0.077627 0.065597 0.055804 0.041169 0.035686 0.03113 0.027278 0.027278	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.0982580 0.058542	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328 0.049060	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.683642 2.109789 1.664898 1.1664898 1.664898 0.835563 0.668336 0.536173 0.431360 0.281401
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087 0.672019	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.527043 0.482973 0.443021 0.406746 0.373766	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.464935 0.46762 0.327396	4,334063 3,607288 3,012681 2,523970 2,120563 1,786249 1,508190 1,276139 1,081892 0,918836 0,781611 0,665856 0,568004 0,485125 0,414803 0,355039 0,304174 0,260822 0,223829 0,192225	1.042319 0.805319 0.626764 0.491456 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.077627 0.055804 0.047782 0.041169 0.035686 0.031113 0.027278	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.998633 0.082580	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328	50.020561 37.503685 28.243124 21.364159 16.233192 12.389751 7.314475 5.657033 4.392650 2.683642 2.109789 1.664898 1.318579 1.047916 0.835563 0.65836 0.65836 0.431360
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087 0.652174 0.615770 0.583202 0.553918 0.527461	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.527043 0.482973 0.443021 0.406746 0.373766 0.316371 0.268575 0.268575 0.195035	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.413365 0.327396 0.259924 0.206797 0.259924 0.131628	4, 334063 3, 607288 3, 012681 2, 523970 2, 120563 1, 786249 1, 508190 1, 276139 1, 081892 0, 918836 0, 781611 0, 665856 0, 568004 0, 485125 0, 414803 0, 355039 0, 304174 0, 260822 0, 223829 0, 192225 0, 142060 0, 105238 0, 078123 0, 058100	1.042319 0.805319 0.626764 0.491456 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.077627 0.065597 0.055804 0.047782 0.041169 0.0351813 0.027278 0.021304 0.013769 0.011361	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.998633 0.082580 0.058542 0.042079 0.030630 0.022555	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328 0.049060 0.034118 0.023960 0.016975	50.020561 37.503685 28.243124 21.364159 16.233192 12.3898751 7.314475 5.657033 4.39385 2.683642 2.109789 1.664898 1.318579 1.047916 0.835563 0.568336 0.536173 0.431360 0.281401 0.185332 0.182399 0.082380
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.764772 0.739338 0.715488 0.672019 0.652174 0.652174 0.6583202 0.553918	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.589352 0.629613 0.575731 0.527043 0.482973 0.443021 0.406746 0.373766 0.316371 0.268575 0.228599 0.166759	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.413365 0.367762 0.367665 0.327396 0.327396 0.259924 0.206797 0.164844 0.131628 0.105270	4, 334063 3, 607288 3, 012681 2, 523970 2, 120563 1, 786249 1, 508190 1, 276139 1, 081692 0, 918836 0, 781611 0, 665856 0, 568004 0, 485125 0, 414803 0, 355039 0, 304174 0, 260822 0, 223829 0, 192225 0, 142060 0, 105238 0, 078123 0, 078123 0, 058100 0, 043279	1019 by 10-3 1 1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.205595 0.134203 0.111012 0.092501 0.077627 0.065597 0.055804 0.041169 0.035686 0.03113 0.027278 0.021304 0.016971 0.013769 0.011361 0.009522	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.0982580 0.058542 0.042079 0.030630 0.022555 0.016786	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328 0.049060 0.034118 0.023960 0.016975 0.012121	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.109789 1.664898 1.318579 1.047916 0.835563 0.568336 0.536173 0.431360 0.281401 0.185332 0.123099 0.082380 0.055500
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8 3.5 4.0	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087 0.652174 0.652174 0.652174 0.652174 0.583202 0.553918 0.527461 0.503447 0.452148 0.410526	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.629613 0.575731 0.527043 0.482973 0.482973 0.406746 0.373766 0.373766 0.373766 0.373766 0.373766 0.373766	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.413365 0.367762 0.327396 0.259924 0.206797 0.164844 0.131628 0.105270 0.060574 0.035107	4.334063 3.607288 3.012681 2.523963 1.786249 1.508190 1.276139 1.081892 0.918836 0.781611 0.665856 0.568004 0.485125 0.414803 0.355039 0.304174 0.260822 0.223829 0.192225 0.142060 0.105238 0.078123 0.058100 0.443279 0.020851 0.010116	1042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.0755804 0.047782 0.041169 0.035686 0.031113 0.027278 0.021304 0.013769 0.013769 0.013769 0.013769 0.013762 0.004773	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.799917 0.598000 0.479578 0.3185745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.098633 0.082580 0.058542 0.042079 0.030630 0.022555 0.016786 0.008362 0.004389	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507899 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328 0.049060 0.034118 0.023960 0.01212 0.01212 0.01212 0.005378 0.005378	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.683642 2.109789 1.664836 0.63636 0.536173 0.431360 0.281401 0.281401 0.123099 0.082380 0.052192 0.008324
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.0	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087 0.672019 0.652174 0.615770 0.583202 0.553918 0.527461 0.503447 0.452148 0.410526 0.376072	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.527043 0.482973 0.443021 0.406746 0.316371 0.268575 0.268575 0.268575 0.268575 0.113657 0.113657 0.113657	3. \$05438 3. \$055892 2. \$669242 2. \$35802 2. \$047517 1. \$797673 1. \$80665 1. \$391779 1. \$227049 1. \$083115 0. \$957142 0. \$46708 0. \$749752 0. \$664507 0. \$89459 0. \$40365 0. \$327396 0. \$259924 0. \$26797 0. \$164844 0. \$105270 0. \$065177 0. \$065107 0. \$020469	4, 334063 3, 607288 3, 012681 2, 523970 2, 120563 1, 786249 1, 508190 1, 276139 1, 081892 0, 918836 0, 781611 0, 665856 0, 568004 0, 485125 0, 44803 0, 355039 0, 304174 0, 260822 0, 192225 0, 142060 0, 105238 0, 078123 0, 078123 0, 078123 0, 043279 0, 020851 0, 004936	1019 by 10-3 1 1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.2050595 0.134203 0.111012 0.092501 0.077627 0.065597 0.055894 0.041169 0.035686 0.031113 0.092520 0.001361 0.001361 0.009522 0.006503 0.004773	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.749917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.098633 0.082580 0.058542 0.042079 0.030630 0.022555 0.016786 0.008362 0.004389 0.002411	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328 0.049060 0.034118 0.023960 0.016975 0.012121 0.005378 0.002471 0.001168	50.020561 37.503685 28.243124 21.364159 16.233192 12.3894751 7.314475 5.657033 4.398751 2.468950 2.683642 2.109789 1.664898 0.668336 0.668336 0.668336 0.281401 0.185332 0.055500 0.021192 0.0082340
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.7 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.4 2.6 2.8 3.5 4.0 4.5 6.0	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.764772 0.739338 0.715488 0.672019 0.652174 0.652174 0.652174 0.553918 0.527461 0.503447 0.40526 0.376072 0.376072 0.347063 0.300844	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.482973 0.482973 0.482973 0.482973 0.195035 0.16376 0.316371 0.268575 0.228599 0.195035 0.113657 0.078238 0.054297 0.037940 0.037940	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.367762 0.327396 0.259924 0.206797 0.164844 0.131628 0.105270 0.060574 0.035107 0.020469 0.011994 0.101994	4.334063 3.607288 3.012681 2.523963 1.786249 1.508190 1.276139 1.081892 0.918836 0.781611 0.665856 0.568004 0.485125 0.414803 0.355039 0.304174 0.260822 0.223829 0.192225 0.142060 0.105238 0.078123 0.058100 0.443279 0.020851 0.010116	1019 by 10-3 1 1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.077627 0.065597 0.055804 0.047782 0.041169 0.035686 0.031113 0.027278 0.021304 0.016971 0.013769 0.013769 0.013769 0.013769 0.013769 0.013769 0.004773 0.003014 0.002192	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.459917 0.598000 0.479578 0.386745 0.135562 0.255550 0.209313 0.172266 0.142429 0.118277 0.998633 0.0985842 0.042079 0.030630 0.022555 0.016786 0.008362 0.004389 0.002411 0.001379 0.000499	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.049060 0.034118 0.023960 0.016975 0.016975 0.011221 0.005378 0.002471 0.001168 0.000565	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.683642 2.109789 1.664898 1.318579 1.047916 0.83556 0.536173 0.431360 0.281401 0.281401 0.281401 0.003343 0.003343 0.003344
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8 3.0 4.5 5.0 6.0 7.0	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.791939 0.764772 0.739338 0.715488 0.693087 0.672019 0.652174 0.615770 0.583202 0.553918 0.527461 0.503447 0.452148 0.410526 0.376072 0.347063 0.300844 0.265566	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 1.004127 0.911983 0.829580 0.755713 0.629613 0.575731 0.527043 0.482973 0.443021 0.406746 0.373766 0.373766 0.316371 0.268575 0.228599 0.195035 0.16575 0.195035 0.16575 0.054297 0.078238 0.054297 0.018831 0.009509	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.413365 0.367762 0.327396 0.259924 0.131628 0.105279 0.164844 0.131628 0.105270 0.060574 0.035107 0.020469 0.011994 0.004169	4.334063 3.607288 3.012681 2.52370 2.120563 1.786249 1.508190 1.276139 1.081892 0.918836 0.781611 0.665856 0.568004 0.485125 0.414803 0.355039 0.304174 0.260822 0.223829 0.192225 0.142060 0.105238 0.078123 0.058100 0.403279 0.020419 0.0004936 0.00414	1019 by 10-3 1 1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.077627 0.065597 0.065597 0.055804 0.047782 0.041169 0.031113 0.027278 0.021304 0.01737 0.003709 0.003709 0.003709 0.003709	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.945911 0.799917 0.598000 0.479578 0.386745 0.313562 0.255550 0.209313 0.172266 0.142429 0.118277 0.098633 0.082580 0.058542 0.04209 0.030630 0.022555 0.016786 0.008362 0.004389 0.001379 0.000201	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.104995 0.086398 0.071328 0.049060 0.034118 0.023960 0.01212 0.002375 0.01212 0.002375 0.002471 0.005378 0.002471 0.001168 0.000565 0.0001641 0.000038	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 2.683642 2.109789 1.644950 0.835563 0.6536173 0.431360 0.281401 0.185332 0.02380 0.055500 0.021192 0.008244 0.003343 0.001366 0.000243
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.7 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.4 2.6 2.8 3.5 4.0 4.5 6.0	1.414929 1.339485 1.270558 1.207461 1.149578 1.096370 1.047361 1.002130 0.960308 0.921559 0.885597 0.852154 0.821005 0.764772 0.739338 0.715488 0.672019 0.652174 0.652174 0.652174 0.553918 0.527461 0.503447 0.40526 0.376072 0.376072 0.347063 0.300844	2.329264 2.079216 1.861105 1.670135 1.502332 1.354381 1.223517 1.107421 0.911983 0.829580 0.755713 0.689352 0.629613 0.575731 0.482973 0.482973 0.482973 0.482973 0.195035 0.16376 0.316371 0.268575 0.228599 0.195035 0.113657 0.078238 0.054297 0.037940 0.037940	3.505438 3.055892 2.669242 2.335802 2.047517 1.797673 1.580665 1.391779 1.227049 1.083115 0.957142 0.846708 0.749752 0.664507 0.589459 0.523310 0.464935 0.367762 0.327396 0.259924 0.206797 0.164844 0.131628 0.105270 0.060574 0.035107 0.020469 0.011994 0.101994	4, 334063 3, 607288 3, 012681 2, 52370 2, 120563 1, 786249 1, 508190 1, 276139 1, 081836 0, 781611 0, 6658004 0, 485125 0, 414803 0, 3568004 0, 485125 0, 414803 0, 304174 0, 260822 0, 223829 0, 192225 0, 142060 0, 105238 0, 078123 0, 058100 0, 043279 0, 020851 0, 010116 0, 004936 0, 0042419 0, 000587	1019 by 10-3 1 1.042319 0.805319 0.626764 0.491456 0.388302 0.309168 0.248073 0.200595 0.163453 0.134203 0.111012 0.092501 0.077627 0.065597 0.055804 0.047782 0.041169 0.035686 0.031113 0.027278 0.021304 0.016971 0.013769 0.013769 0.013769 0.013769 0.013769 0.013769 0.004773 0.003014 0.002192	5.676846 4.317562 3.302778 2.541418 1.967260 1.531986 1.200203 0.459917 0.598000 0.479578 0.386745 0.135562 0.255550 0.209313 0.172266 0.142429 0.118277 0.998633 0.0985842 0.042079 0.030630 0.022555 0.016786 0.008362 0.004389 0.002411 0.001379 0.000499	3 5.671995 4.305333 3.285365 2.520553 1.944275 1.507890 1.175760 0.921677 0.726287 0.575254 0.457900 0.366246 0.294299 0.237542 0.192548 0.156712 0.128039 0.049060 0.034118 0.023960 0.016975 0.016975 0.011221 0.005378 0.002471 0.001168 0.000565	50.020561 37.503685 28.243124 21.364159 16.233192 12.389874 9.498751 7.314475 5.657033 4.393852 3.426950 2.683642 2.109789 1.664898 1.318579 1.047916 0.83556 0.536173 0.431360 0.281401 0.281401 0.281401 0.003343 0.003343 0.003344

TABLE 16 G. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^6 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 90$

FLUX OMNIDIRECTIONAL GEOMETRIC FACTORS (cm3 MeV)

			L CHANNEL	AT REMMENTS	SWCIOKS (CM-	mer)	ET CHANNEL	
N	1	2	3	4	1	2	3	4
	•	•	•		_	_	_	
0.1	0.135479	0.882815	0.692594	12.486215	2.382732	11.993447	11.678953	197.023712
0.2	0.125309	0.772624	0.594705	10.309940	1.772268	8.841374	8.593263	144.069855
0.3	0.116164	0.678436	0.511949	8.544492	1.326130	6.548941	6.350796	105.733604
0.4	0.107926	0.597593	0.441761	7.105353	0.998674	4.875436	4.715258	77.893105
0.5	0.100488	0.527931	0.382050	5.926934	0.757216	3.648861	3.517858	57.609356
0.6	0.093762	0.467675	0.331101	4.957910	0.578293	2.746056	2.637705	42.780506
0.7	0.087666	0.415366	0.287508	4.158002	0.445012	2.078583	1.988030	31.901070
0.8 0.9	0.082131 0.077096	0.3697 9 9 0.329977	0.250112 0.217953	3.495313 2.944520	0.345180 0.269961	1.582777 1.212666	1.506363 1.147620	23.889723 17.967804
1.0	0.072508	0.295066	0.217933	2.485339	0.212939	0.934963	0.879155	13.573191
1.1	0.068319	0.264373	0.166284	2.101478	0.169433	0.725477	0.677261	10.298731
1.2	0.064488	0.237313	0.145554	1.779774	0.136016	0.566575	0.524661	7.848837
1.3	0.060977	0.213395	0.127574	1.509536	0.110171	0.445355	0.408723	6.008169
1.4	0.057755	0.192201	0.111951	1.282059	0.090040	0.352340	0.320174	4.619327
1.5	0.054792	0.173379	0.098354	1.090205	0.074245	0.280545	0.252183	3.566903
1.6	0.052064	0.156626	0.086501	0.928111	0.061760	0.224795	0.199697	2.765970
1.7	0.049546	0.141685	0.076152	0.790940	0.051819	0.181243	0.158963	2.153805
1.8	0.047220	0.128334	0.067105	0.674689	0.043845 0.037400	0.147013	0.127182	1.683921
1.9 2.0	0.045068 0.043072	0.116383 0.105666	0.059185 0.052243	0.576035 0.492209	0.032153	0.119948 0.098422	0.102253 0.082599	1.321723 1.041368
2.2	0.039498	0.087383	0.040801	0.360179	0.024297	0.067342	0.054620	0.653458
2.4	0.036399	0.072548	0.031954	0.264262	0.018870	0.047009	0.036715	2.415569
2.6	0.033698	0.060447	0.025089	0.194335	0.015020	0.033418	0.025046	0.267514
2.8	0.031330	0.050529	0.019744	0.143201	0.012222	0.024152	0.017312	0.174103
3.0	0.029244	0.042365	0.015569	0.105712	0.010143	0.017719	0.012108	0.114425
3.5	0.025002	0.027586	0.008665	0.049829	0.006839	0.008643	0.005172	0.041548
4.0	0.021787	0.018222	0.004869	0.023674	0.005002	0.004510	0.002322	0.015723
4.5	0.019290	0.012182	0.002758	0.011319	0.003887	0.002485	0.001084	0.006140
5.0	0.017307	0.008229	0.001572	0.005441	0.003162	0.001432	0.000522	0.002457
6.0	0.014381	0.003852 0.001854	0.000520 0.000175	0.001273 0.000302	0.002300 0.001820	0.000529 0.000217	0.000130 0.000035	0.000416 0.000074
7.0 8.0	0.012342 0.010848	0.000911	0.000175	0.000302	0.001521	0.000096	0.000039	0.000014
9.0	0.009709	0.000456	0.000021	0.063018	0.001319	0.000045	0.000003	0.000003
10.0	0.008814	0.000231	0.000007	0.000004	0.001175	0.000021	0.000001	0.000001
				*				
		DOSE O	MIDIRECTION		FACTORS (cm	HeV)		
			MNIDIRECTION LET CHANNEL		FACTORS (cm		T CHANNEL	
N	1						T CHANNEL	4
		HII 2	LET CHANNEL 3	mult 4	iply by 10 ⁻³	LOLE 2	3	
0.1	1.452430	HII 2 2.343055	3.517477	mult 4 4.256525	iply by 10 ⁻³ 1 1.079433	LOLE 2 5.830525	3 5.806658	50.977913
0.1 0.2	1.452430 1.375635	HII 2 2.343055 2.093053	3.517477 3.067244	mult 4 4.256525 3.545225	1.079433 0.834283	LOLE 2 5.830525 4.438241	3 5.806658 4.411016	50.977913 38.2512 8 9
0.1 0.2 0.3	1.452430 1.375635 1.305445	HII 2 2.343055 2.093053 1.874832	3.517477 3.067244 2.679961	4.256525 3.545225 2.962919	1.079433 0.834283 0.649537	LOLE 2 5.830525 4.438241 3.398185	3 5.806658 4.411016 3.368849	50.977913 38.251289 28.830008
0.1 0.2 0.3 0.4	1.452430 1.375635 1.305445 1.241153	HII 2 2.343055 2.093053 1.874832 1.683631	3.517477 3.067244 2.679961 2.345906	mult 4 4.256525 3.545225 2.962919 2.483994	1.079433 0.834283 0.649537 0.509500	5.830525 4.438241 3.398185 2.617348	3 5.806658 4.411016 3.368849 2.586900	50.977913 38.251289 28.830008 21.827181
0.1 0.2 0.3 0.4 0.5	1.452430 1.375635 1.305445 1.241153 1.182143	2 . 343055 2 . 093053 1 . 874832 1 . 683631 1 . 515502	3.517477 3.067244 2.679961 2.345906 2.057035	#ult 4.256525 3.545225 2.962919 2.483994 2.088403	1.079433 0.834283 0.649537 0.509500 0.402706	5.830525 4.438241 3.398185 2.617348 2.028080	3 5.806658 4.411016 3.368849 2.586900 1.997320	50.977913 38.251289 28.830008 21.827181 16.600279
0.1 0.2 0.3 0.4 0.5 0.6	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869	HII 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158	3.517477 3.067244 2.679961 2.345906 2.057035 1.806622	mult 4 4.256525 3.545225 2.962919 2.483994	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271
0.1 0.2 0.3 0.4 0.5	1.452430 1.375635 1.305445 1.241153 1.182143	2 . 343055 2 . 093053 1 . 874832 1 . 683631 1 . 515502	3.517477 3.067244 2.679961 2.345906 2.057035	#ult 4.256525 3.545225 2.962919 2.483994 2.088403 1.760350	1.079433 0.834283 0.649537 0.509500 0.402706	5.830525 4.438241 3.398185 2.617348 2.028080	3 5.806658 4.411016 3.368849 2.586900 1.997320	50.977913 38.251289 28.830008 21.827181 16.600279
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852	HII 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853	3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068	#ult 4 4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947	3 5.806658 4.411016 3.368849 2.586990 1.997320 1.550542 1.210241	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.949337	HII 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832	3 .517477 3.067244 2.679961 2.457035 1.806622 1.589068 1.399652 1.234410 1.089986	#ult 4 .256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.169748 0.139409	5.830525 4.438241 3.398185 2.617348 2.028880 1.581000 1.239947 0.978318 0.776482 0.619884	3 5.806658 4.411016 3.36849 2.586900 1.997320 1.550542 1.210241 0.94696 0.749168 0.594021	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559	411 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399552 1.234410 1.089986 0.963543	#ult 4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346	411 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.089543 0.852661	#ult 4 4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129	5.830525 4.438241 3.398185 2.617348 2.028800 1.581000 1.239947 0.978318 0.776482 0.61984 0.497693 0.401804	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028	50.977913 38.251289 28.830008 21.827181 16.600279 12.662271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463	411 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.698668	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.089986 0.953543 0.855643 0.755274	#ult 4 4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.8763466 0.846463 0.816699	411 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.11927 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435	3 .517477 3.067244 2.679961 2.459062 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622	#ult 4 4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096125 0.080682	5.830525 4.438241 3.398185 2.617348 2.028880 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 1.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.816699 0.788866	HII 2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.038435 0.584072	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 0.6963543 0.852661 0.755274 0.669622 0.594193	4.256525 3.545225 2.962919 2.483994 2.086350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.058005	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.226133 0.266082 0.218169	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.199924	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3 1.4	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.762799	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435 0.534921	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.0893543 0.852661 0.755274 0.669622 0.594193 0.527682	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.9772728 0.658677 0.562203 0.480439 0.411020 0.351988	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.0880682 0.058005 0.049663	5.830525 4.438241 3.398185 2.617348 2.028800 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.162890	50.977913 38.251289 28.830008 21.827181 16.600279 12.662271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.816699 0.816699 0.788866 0.762799 0.738345	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435 0.584072 0.584072 0.584072 0.490403	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527682 0.463969	4.256525 3.545225 2.962919 2.483994 2.086350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.068184 0.058005 0.042784	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.304907 0.246374 0.192924 0.162890 0.133226	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3 1.4	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.762799	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435 0.534921	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.0893543 0.852661 0.755274 0.669622 0.594193 0.527682	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.0880682 0.058005 0.049663	5.830525 4.438241 3.398185 2.617348 2.028800 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.162890	50.977913 38.251289 28.830008 21.827181 16.600279 12.662271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.846463 0.762799 0.788866 0.762799 0.738345 0.715370 0.693751 0.673380	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.6384072 0.534921 0.490403 0.450024 0.413340 0.379970	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.659622 0.463969 0.417081 0.371181 0.330538	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.080682 0.088005 0.042784 0.032078 0.032318 0.028325	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.19924 0.162890 0.133226 0.109361 0.090080 0.074440	50.977913 38.2591289 28.830008 21.827181 16.600279 12.662271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.365081 1.084526 0.865741 0.693260 0.556793 0.448446
0.1 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.816699 0.782699 0.788866 0.762799 0.738345 0.715370 0.693751 0.673380 0.635995	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435 0.584072 0.534921 0.490403 0.450024 0.413340 0.379970 0.321851	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.089986 0.952543 0.852661 0.755274 0.669622 0.594193 0.527682 0.447081 0.310538 0.32538 0.32538	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.65627 0.480439 0.411020 0.351988 0.301714 0.258843 0.22238 0.19949 0.141246	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.080682 0.080682 0.068184 0.058005 0.042784 0.037078 0.032318 0.028325 0.022102	5.830525 4.438241 3.398185 2.617348 2.022880 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326333 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.19924 0.162890 0.133226 0.109361 0.090080 0.074440	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.446446 0.293183
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.989340 0.949337 0.912559 0.878346 0.846463 0.762799 0.788866 0.762799 0.73345 0.715370 0.693751 0.673380 0.635995 0.602528	2 2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435 0.584072 0.534921 0.490403 0.450024 0.413340 0.379970 0.321851 0.273405	3 .517477 3.067244 2.679961 2.459068 2.057035 1.806622 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527629 0.417081 0.371181 0.330538 0.262571 0.209018	#ult 4 4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.068184 0.058005 0.049663 0.042784 0.032318 0.028325 0.028325 0.028325 0.022102 0.017587	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.30907 0.246374 0.192924 0.162890 0.133226 0.109361 0.090080 0.074440 0.051294 0.035732	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.816699 0.788866 0.762799 0.738345 0.713370 0.693751 0.673380 0.635995 0.602528 0.572418	2.343055 2.093053 1.874832 1.683631 1.51502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.038435 0.584072 0.534921 0.490403 0.450024 0.413340 0.379970 0.321851 0.273405 0.273405	3 3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527682 0.447081 0.371181 0.330538 0.262571 0.209018 0.166701	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724 0.077804	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.08682 0.068184 0.058005 0.042784 0.032318 0.02318 0.02318 0.028325 0.022102 0.017587 0.014250	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.379028 0.304907 0.246374 0.19326 0.133226 0.103361 0.090080 0.074440 0.051294 0.035732 0.025133	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.1938497
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.188666 0.762799 0.788866 0.762799 0.738345 0.715370 0.693751 0.673380 0.635995 0.602528 0.572418 0.545199	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.69868 0.638435 0.584072 0.534921 0.490403 0.450024 0.413340 0.379970 0.321851 0.273405 0.273405 0.273405 0.232850 0.198773	3 .517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399552 1.234410 0.963543 0.852661 0.755274 0.659622 0.463969 0.477181 0.330538 0.262571 0.209018 0.166701 0.133178	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.9077842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724 0.077804	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.080682 0.068184 0.058005 0.042784 0.037078 0.032318 0.022102 0.017587 0.014250 0.011742	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.19361 0.19361 0.09361 0.09361 0.09361 0.0935732 0.051294 0.051294 0.025133 0.025133	50.977913 38.2591289 28.830008 21.827181 16.600279 12.662271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.365081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349
0.1 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.7 1.8 2.2 2.4 2.6 3.0	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.816699 0.762799 0.738345 0.715370 0.693751 0.673380 0.635995 0.602528 0.5745199 0.52483	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435 0.584072 0.534921 0.490403 0.450024 0.413340 0.373405 0.232850 0.232850 0.232850	3 3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527682 0.447081 0.371181 0.330538 0.262571 0.209018 0.166701 0.133178 0.106560	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.104724 0.077804 0.057907 0.043167	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.068184 0.058005 0.042784 0.037078 0.032318 0.032318 0.032318 0.032102 0.017587 0.014250 0.017587	5.830525 4.438241 3.398185 2.617348 2.028880 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.32653 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186 0.023716 0.023716	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.19924 0.193261 0.09361 0.09361 0.09361 0.09363 0.074440 0.051294 0.035732 0.025133 0.017831 0.012748	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.816699 0.788866 0.762799 0.738345 0.715370 0.693751 0.673380 0.63595 0.572418 0.545199 0.545199 0.545483 0.467649	2 2. 343055 2. 093053 1. 874832 1. 683631 1. 515502 1. 367158 1. 235853 1. 119277 1. 015485 0. 922832 0. 839913 0. 765534 0. 698668 0. 69868 0. 698668 0. 69	3 3.517477 3.067244 2.679961 2.457035 1.806622 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.5769622 0.463969 0.417081 0.371181 0.330538 0.262571 0.209018 0.166701 0.133178 0.166560 0.061382	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724 0.077804 0.057907 0.063167 0.020832	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.068184 0.058005 0.049663 0.042784 0.032318 0.028325 0.028325 0.02102 0.017587 0.017587 0.017587 0.017587 0.017587 0.017587 0.017587 0.017587 0.017587 0.017587 0.017587	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.97838 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.103192 0.086437 0.061385 0.044175 0.032186 0.023716 0.017658 0.008797	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.192924 0.162890 0.103610 0.074440 0.035732 0.025133 0.017831 0.012748 0.012748 0.0026670	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349 0.056281 0.082349
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8 3.5 4.0	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.816699 0.788866 0.762799 0.738345 0.715370 0.693751 0.673380 0.635995 0.693751 0.67380 0.545199 0.545199 0.5467649 0.424745	2.343055 2.093053 1.874832 1.683631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.038435 0.584072 0.534921 0.490403 0.450024 0.413340 0.379970 0.321851 0.273405 0.273405 0.170040 0.116023 0.079939	3 3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527682 0.417081 0.330538 0.262571 0.209018 0.166701 0.133178 0.1066701 0.133178 0.1061362 0.035609	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724 0.057907 0.043167 0.020832 0.010122	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.068184 0.058005 0.042784 0.037078 0.032318 0.032318 0.032318 0.032102 0.017587 0.014250 0.017587	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186 0.023716 0.017658 0.008797	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.379028 0.304907 0.246374 0.19326 0.133226 0.10361 0.090080 0.074440 0.051294 0.035732 0.025133 0.012748 0.002667 0.002609	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349 0.058281 0.022349 0.008812
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.816699 0.788866 0.762799 0.738345 0.715370 0.693751 0.673380 0.63595 0.572418 0.545199 0.545199 0.545483 0.467649	2 2. 343055 2. 093053 1. 874832 1. 683631 1. 515502 1. 367158 1. 235853 1. 119277 1. 015485 0. 922832 0. 839913 0. 765534 0. 698668 0. 69868 0. 698668 0. 69	3 3.517477 3.067244 2.679961 2.457035 1.806622 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.5769622 0.463969 0.417081 0.371181 0.330538 0.262571 0.209018 0.166701 0.133178 0.166560 0.061382	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724 0.077804 0.057907 0.063167 0.020832	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.086884 0.058005 0.042784 0.032318 0.022102 0.02102 0.017587 0.017587 0.017587 0.017587 0.017587 0.017587	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.97838 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.103192 0.086437 0.061385 0.044175 0.032186 0.023716 0.017658 0.008797	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.594021 0.473359 0.379028 0.304907 0.246374 0.192924 0.162890 0.103610 0.074440 0.035732 0.025133 0.017831 0.012748 0.012748 0.0026670	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349 0.056281 0.082349
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.8 3.0 3.5 4.5	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.816699 0.788866 0.762799 0.738345 0.715370 0.693751 0.673380 0.635995 0.602528 0.572418 0.545199 0.520483 0.467649 0.424745 0.389208	2.343055 2.093053 1.874832 1.685631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.698668 0.638435 0.584072 0.534921 0.490403 0.450024 0.413340 0.4739970 0.321851 0.273405 0.232850 0.232850 0.116023 0.116023 0.170040 0.116023 0.079939 0.055521	3 3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.539465 2.057035 0.652661 0.755274 0.669622 0.45969 0.417081 0.331538 0.262571 0.209018 0.1637178 0.106560 0.061382 0.035609 0.020779	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.202238 0.190949 0.141246 0.104724 0.077804 0.057907 0.043167 0.020832 0.004945	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.20256 0.169748 0.139409 0.115345 0.096129 0.080682 0.068184 0.050805 0.042784 0.037078 0.032318 0.022102 0.017587 0.017587 0.017587 0.017587	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186 0.023716 0.017658 0.003716	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.54907 0.246374 0.19361 0.133226 0.103361 0.09361 0.09361 0.09363 0.074440 0.051294 0.055732 0.025733 0.012748 0.002609 0.001234	50.977913 38.251289 28.830008 21.827181 16.600279 12.662271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.365081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349 0.0683281 0.022349 0.008812 0.003550
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.4 2.8 3.0 5 4.5 5.0 6 7.0	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.816699 0.788866 0.762799 0.738345 0.713370 0.693751 0.673380 0.635995 0.602528 0.572418 0.545199 0.520483 0.467649 0.424745 0.389208 0.359273 0.359273 0.311556	2 2. 343055 2. 093053 1. 874832 1. 683631 1. 515502 1. 367158 1. 235853 1. 119277 1. 015485 0. 922832 0. 839913 0. 765534 0. 698668 0. ú38435 0. 584072 0. 534921 0. 490403 0. 450024 0. 413340 0. 379970 0. 321851 0. 273405 0. 273405 0. 198773 0. 170040 0. 116023 0. 170040 0. 116023 0. 079939 0. 055521 0. 038820 0. 019289 0. 009748	3 3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527682 0.463969 0.417081 0.371181 0.330538 0.26257 0.209018 0.166701 0.133178 0.1066701 0.133178 0.1061362 0.035609 0.020779 0.012184 0.004240 0.001495	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.062844 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724 0.077804 0.057907 0.043167 0.022832 0.010122 0.004945 0.002426 0.000590 0.000145	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.1695748 0.139409 0.115345 0.096129 0.08682 0.042784 0.058005 0.042784 0.032318 0.022102 0.017587 0.003270 0.003787 0.003787 0.003787	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186 0.023716 0.017658 0.002529 0.001442 0.0002529 0.001442 0.000519 0.000208	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.379028 0.304907 0.246374 0.199924 0.162890 0.133226 0.090080 0.074440 0.051294 0.035732 0.025133 0.017831 0.012748 0.005670 0.002609 0.001234 0.000598 0.000149	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349 0.058281 0.022349 0.008812 0.002355 0.000465
0.1 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.2 2.4 2.8 3.0 3.5 6.0 7	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.112559 0.788866 0.762799 0.738345 0.762799 0.738345 0.762799 0.693751 0.693751 0.673380 0.635995 0.602528 0.572418 0.545199 0.520483 0.467649 0.467649 0.389208 0.359273 0.311556 0.275115 0.246293	2.343055 2.093053 1.874832 1.685631 1.515502 1.367158 1.235853 1.119277 1.015485 0.922832 0.839913 0.765534 0.698668 0.638435 0.584072 0.534921 0.490403 0.450024 0.413340 0.379970 0.321851 0.273405 0.2	3 3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.589068 1.399652 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527682 0.5463969 0.417081 0.330538 0.262571 0.209018 0.166701 0.133178 0.106560 0.061362 0.0020779 0.012184 0.004240 0.001495 0.000532	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.068284 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.101246 0.104724 0.077804 0.057907 0.043167 0.020832 0.010122 0.004945 0.000590 0.000145 0.00036	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.169748 0.139409 0.115345 0.096129 0.080682 0.068184 0.058065 0.042784 0.037078 0.032318 0.022102 0.017587 0.014250 0.017587 0.014250 0.017587 0.014250 0.017587 0.01478	5.830525 4.438241 3.398185 2.617348 2.028880 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186 0.023716 0.017658 0.008797 0.004612 0.002529 0.001442 0.000519 0.000090	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.549379 0.379028 0.304907 0.246374 0.19361 0.19361 0.09361 0.09363 0.074440 0.051294 0.051294 0.0525133 0.012748 0.002609 0.001234 0.000149 0.000149	50.977913 38.2591289 28.830008 21.827181 16.600279 12.662271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.365081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349 0.086349 0.086349 0.008812 0.002349 0.008812 0.003550 0.001455 0.000046 0.000009
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.4 2.8 3.0 5 4.5 5.0 6 7.0	1.452430 1.375635 1.305445 1.241153 1.182143 1.127869 1.077852 1.031667 0.988940 0.949337 0.912559 0.878346 0.846463 0.816699 0.788866 0.762799 0.738345 0.713370 0.693751 0.673380 0.635995 0.602528 0.572418 0.545199 0.520483 0.467649 0.424745 0.389208 0.359273 0.359273 0.311556 0.275115	2 2. 343055 2. 093053 1. 874832 1. 683631 1. 515502 1. 367158 1. 235853 1. 119277 1. 015485 0. 922832 0. 839913 0. 765534 0. 698668 0. ú38435 0. 584072 0. 534921 0. 490403 0. 450024 0. 413340 0. 379970 0. 321851 0. 273405 0. 273405 0. 198773 0. 170040 0. 116023 0. 170040 0. 116023 0. 079939 0. 055521 0. 038820 0. 019289 0. 009748	3 3.517477 3.067244 2.679961 2.345906 2.057035 1.806622 1.234410 1.089986 0.963543 0.852661 0.755274 0.669622 0.594193 0.527682 0.463969 0.417081 0.371181 0.330538 0.26257 0.209018 0.166701 0.133178 0.1066701 0.133178 0.1061362 0.035609 0.020779 0.012184 0.004240 0.001495	4.256525 3.545225 2.962919 2.483994 2.088403 1.760350 1.487303 1.259287 1.062844 0.907842 0.772728 0.658677 0.562203 0.480439 0.411020 0.351988 0.301714 0.258843 0.222238 0.190949 0.141246 0.104724 0.077804 0.057907 0.043167 0.022832 0.010122 0.004945 0.002426 0.000590 0.000145	1.079433 0.834283 0.649537 0.509500 0.402706 0.320754 0.257460 0.208256 0.1695748 0.139409 0.115345 0.096129 0.08682 0.042784 0.058005 0.042784 0.032318 0.022102 0.017587 0.003270 0.003787 0.003787 0.003787	5.830525 4.438241 3.398185 2.617348 2.028080 1.581000 1.239947 0.978318 0.776482 0.619884 0.497693 0.401804 0.326133 0.266082 0.218169 0.179736 0.148748 0.123638 0.103192 0.086467 0.061385 0.044175 0.032186 0.023716 0.017658 0.002529 0.001442 0.0002529 0.001442 0.000519 0.000208	3 5.806658 4.411016 3.368849 2.586900 1.997320 1.550542 1.210241 0.949696 0.749168 0.379028 0.304907 0.246374 0.199924 0.162890 0.133226 0.090080 0.074440 0.051294 0.035732 0.025133 0.017831 0.012748 0.005670 0.002609 0.001234 0.000598 0.000149	50.977913 38.251289 28.830008 21.827181 16.600279 12.682271 9.732664 7.502373 5.808537 4.516449 3.526492 2.764713 2.175997 1.719115 1.363081 1.084526 0.865741 0.693260 0.556793 0.448446 0.293183 0.193497 0.128781 0.086349 0.058281 0.022349 0.008812 0.002355 0.000465

TABLE 17 A. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=0$

				AL GEOMETRIC	FACTORS (cm			
	•		ET CHANNEL				ET CHANNEL	
N	1	2	3	4	1	2	3	4
0.1	0.154884	1.153808	0.981005	19.313311	1.793570	6.554131	6.272893	75.858093
0.2	0.140062	0.967862	0.812631	15.257346	1.327043	4.785473	4.574317	54.842010
0.3	0.127023	0.815299	0.675307	12.107800	0.987146	3.508088	3.347949	39.757195
0.4	0.115529	0.689638	0.562945	9.650440	0.738543	2.582664	2.459880	28.904118
0.5	0.105376	0.585730	0.470714	7.724108 6.207109	0.555955	1.910010	1.814768	21.076336
0.6 0.7	0.096390 0.088421	0.499469 0.427578	0.394764 0.332026	5.007152	0.421258 0.321425	1.419375 1.060171	1.344586	15.415940 11.311812
0.8	0.081337	0.367428	0.280041	4.053866	0.247061	0.796152	0.748249	8.327706
0.9	0.075028	0.316906	0.236835	3.293390	0.191377	0.601283	0.562211	6.151661
1.0	0.069397	0.274307	0.200818	2.684304	0.149450	0.456818	0.424555	4.560064
1.1	0.064359	0.238252	0.170707	2.194604	0.117696	0.349218	0.322268	3.392323
1.2 1.3	0.059844 0.055786	0.207623 0.181508	0.145462 0.124237	1.799450 1.479482	0.093501 0.074947	0.268687 0.208102	0.245926 0.188687	2.532803 1.898058
1.4	0.052134	0.159162	0.106346	1.219538	0.060626	0.162280	0.145568	1.427720
1.5	0.048837	0.139974	0.091224	1.007695	0.049497	0.127430	0.112928	1.077994
1.6	0.045856	0.123443	0.078412	0.834544	0.040787	0.100772	0.088096	0.817034
1.7	0.043155	0.109153	0.067531	0.692624	0.033922	0.080258	0.069108	0.621612
1.8	0.040701	0.096762	0.058267	0.575990	0.028472	0.064376	0.054514	0.474737
1.9 2.0	0.038468 0.036431	0.085984 0.076582	0.050363 0.043605	0.479903 0.400555	0.024114 0.020602	0.052002 0.042301	0.043239 0.034480	0.363942 0.280057
2.2	0.032863	0.061140	0.032843	0.280423	0.015421	0.028567	0.022274	0.167690
2.4	0.029859	0.049197	0.024881	0.197491	0.011909	0.019798	0.014679	0.101870
2.6	0.027307	0.039868	0.018950	0.139823	0.009460	0.014055	0.009856	0.062749
2.8	0.025124	0.032514	0.014503	0.099464	0.007705	0.010200	0.006732	0.039165
3.0	0.023243	0.026671	0.011148	0.071057	0.006414	0.007549	0.004671	0.024751
3.5 4.0	0.019536 0.016832	0.016610 0.010612	0.005872 0.003155	0.031147 0.013915	0.004384 0.003259	0.003823 0.002097	0.001986 0.000 9 03	0.008256 0.002927
4.5	0.014790	0.006920	0.001723	0.006312	0.002569	0.001219	0.000432	0.001092
5.0	0.013202	0.004587	0.000954	0.002900	0.002114	0.000739	0.000215	0.000425
6.0	0.010908	0.002094	0.000301	0.000630	0.001561	0.000296	0.000058	0.000071
7.0	0.009338	0.000993	0.000098	0.000141	0.001246	0.000128	0.000017	0.000013
8.0 9.0	0.008200 0.007339	0.000485 0.000241	0.000033 0.000011	0.000032 0.00008	0.001047 0.000913	0.000059 0.000028	0.000005	0.000003 0.000001
10.0	0.006666	0.000122	0.000001	0.000002	0.000913	0.000013	0.000001	0.000001
				AL GEOMETRIC	FACTORS (cm			
		HI	LET CHANNEL	AL GEOMETRIC mult	iply by 10^{-3}	LOLE	T CHANNEL	
N	1			AL GEOMETRIC			F CHANNEL	4
		#I(2	LET CHANNEL 3	AL GEOMETRIC mult 4	iply by 10 ^{.3}	LOLET 2	3	
N 0.1 0.2	1 1.740840 1.623329	HI	LET CHANNEL	AL GEOMETRIC mult	iply by 10^{-3}	LOLE		4 28.473330 20.844091
0.1 0.2 0.3	1.740840 1.623329 1.517749	HI 2 3.272689 2.835148 2.465522	5.318765 4.522591 3.856336	7.350232 5.912613 4.777167	iply by 10 ⁻³ 1 0.956075 0.728367 0.558343	4.275214 3.169605 2.360331	3 4.301806 3.185888 2.369079	28.473330 20.844091 15.306189
0.1 0.2 0.3 0.4	1.740840 1.623329 1.517749 1.422660	%II 2 3.272689 2.835148 2.465522 2.151970	5.318765 4.522591 3.856336 3.297026	7.350232 5.912613 4.777167 3.875937	0.956075 0.728367 0.558343 0.430775	4.275214 3.169605 2.360331 1.765861	3 4.301806 3.185888 2.369079 1.769152	28.473330 20.844091 15.306189 11.275282
0.1 0.2 0.3 0.4 0.5	1.740840 1.623329 1.517749 1.422660 1.336823	3.272689 2.835148 2.465522 2.151970 1.884902	5.318765 4.522591 3.856336 3.297026 2.826040	7.350232 5.912613 4.777167 3.875937 3.157181	0.956075 0.728367 0.558343 0.430775 0.334575	4.275214 3.169605 2.360331 1.765861 1.327551	3 4.301806 3.185888 2.369079 1.769152 1.326944	28.473330 20.844091 15.306189 11.275282 8.332971
0.1 0.2 0.3 0.4 0.5	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316	0.956075 0.728367 0.558343 0.430775 0.334575 0.261650	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957
0.1 0.2 0.3 0.4 0.5	1.740840 1.623329 1.517749 1.422660 1.336823	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904	0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972	3 4.301806 3.185888 2.369079 1.769152 1.326944	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957 4.597284
0.1 0.2 0.3 0.4 0.5 0.6	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316	0.956075 0.728367 0.558343 0.430775 0.334575 0.261650	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081	0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.755559 0.439865 0.337820	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957 4.597284 3.432277 2.571440 1.933298
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809	0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.105186 0.085334	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957 4.597284 3.432277 2.571440 1.933298 1.458677
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919	0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.130641 0.105186 0.2069758	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.056340 1.013059 0.964288 0.919550 0.878415	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813 0.890270	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.687437	0.956075 0.728367 0.558343 0.430775 0.334575 0.206071 0.163474 0.130641 0.105186 0.069758 0.057462	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.268425 0.268427	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.5755770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957 4.597284 3.432277 2.571440 1.933298 1.458677 1.458677 0.839286
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919	0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.130641 0.105186 0.2069758	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813 0.890270 0.776892 0.678970 0.594231	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.687437 0.574813 0.481617 0.404294	0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.076992	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 640021 0. 489788 0. 376128
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.056340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.743114	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.5561202 1.352997 1.174760 1.021813 0.890270 0.776892 0.678970 0.594231 0.520764	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987	0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.208897 0.165147 0.130751 0.104171 0.083518 0.067380	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.5755770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.076992 0.061225	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957 4.597284 3.432277 2.571440 1.933298 1.458677 1.458677 0.839286 0.640021 0.489788 0.376128 0.289842
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.773131	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813 0.890270 0.776892 0.678970 0.594231 0.520764 0.456957	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987 0.286379	0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.123552 0.097292 0.076992 0.061225 0.048920	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 1. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 640021 0. 489788 0. 376128 0. 376128 0. 224110
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.805521 0.773138 0.773138 0.743114 0.715218 0.689252	3.272689 2.835148 2.465522 2.151970 1.854902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686 0.390984	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813 0.890270 0.776892 0.678970 0.594231 0.520764 0.456957 0.401448	7.350232 S.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987 0.286379 0.241594	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406 0.021021	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209887 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.123552 0.097292 0.076992 0.061225 0.048920 0.039272	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 839286 0. 376128 0. 2689842 0. 2689842 0. 273865
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.773131	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813 0.890270 0.776892 0.678970 0.594231 0.520764 0.456957	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987 0.286379	0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.123552 0.097292 0.076992 0.061225 0.048920	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 1. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 640021 0. 489788 0. 376128 0. 376128 0. 224110
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.7743114 0.715218 0.689252 0.665034 0.621225 0.582708	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686 0.390984 0.354648	S. 318765 4. 522591 3. 856336 3. 297026 2. 826040 2. 428232 2. 091257 1. 805012 1. 561202 1. 352997 1. 174760 1. 021813 0. 890270 0. 776892 0. 678970 0. 594231 0. 520764 0. 456957 0. 401448 0. 353082 0. 273990 0. 213433	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.667437 0.574813 0.481617 0.404294 0.339987 0.286379 0.241594 0.204107 0.146257 0.105300	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677 0.036711 0.025225 0.017723	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.076992 0.06992 0.048920 0.033672 0.033672 0.033672 0.020873 0.013988	28.473330 20.844091 15.306189 11.275282 8.332971 6.178957 4.597284 3.432277 2.571440 1.933298 1.458677 1.104492 0.839286 0.640021 0.489788 0.376128 0.376128 0.224110 0.173865 0.15327 0.082769 0.051244
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.2 2.4 2.6	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.805521 0.773138 0.7743114 0.715218 0.689252 0.665034 0.621225 0.582708 0.548620	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686 0.390984 0.354648 0.293003 0.243290 0.202917	5.318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.3552997 1.174760 1.021813 0.890270 0.776892 0.678970 0.594231 0.550764 0.456957 0.401448 0.353082 0.273990 0.273990 0.213433 0.166835	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.687437 0.574813 0.401617 0.404294 0.339987 0.286379 0.241594 0.204107 0.146257 0.105300	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.037892 0.033616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011 0.008869	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677 0.036711 0.025225 0.017723 0.012712	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.076992 0.061225 0.048920 0.039272 0.031672 0.039272 0.031672 0.039272 0.031672 0.039272 0.031672 0.039272 0.031672 0.039272 0.031672	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 640021 0. 489788 0. 376128 0. 269842 0. 173865 0. 135327 0. 082769 0. 082769
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.4 2.4 2.4 2.6	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.743114 0.715218 0.689252 0.665034 0.621225 0.582708 0.548620 0.518262	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686 0.390984 0.354648 0.293003 0.243290 0.202917 0.169924	S. 318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813 0.890270 0.77892 0.678970 0.594231 0.520764 0.450764 0.450764 0.353082 0.273990 0.213433 0.166835 0.130816	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.667437 0.574813 0.481617 0.404294 0.339987 0.266379 0.241594 0.30937 0.146257 0.105300 0.075130	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024021 0.018231 0.013992 0.011011 0.008869 0.007295	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.083518 0.067380 0.054698 9.044677 0.036711 0.025225 0.017723 0.012712 0.009294	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.061225 0.048920 0.039272 0.031672 0.020873 0.013988 0.009520 0.006573	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 640021 0. 489788 0. 376128 0. 289842 0. 224110 0. 173865 0. 135327 0. 082769 0. 051244 0. 032094 0. 032094
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.0	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.743114 0.715218 0.689252 0.582708 0.582708 0.518262 0.518262 0.518262	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.5586810 0.5586810 0.5586810 0.528803 0.477381 0.431686 0.390984 0.354648 0.293003 0.243290 0.202917 0.169924 0.142808	S. 318765 4. 522591 3. 856336 3. 297026 2. 826040 2. 428232 2. 091257 1. 805012 1. 551202 1. 352997 1. 174760 1. 021813 0. 890270 0. 776892 0. 678970 0. 594231 0. 520764 0. 456957 0. 401448 0. 353082 0. 273990 0. 213433 0. 166833 0. 130816 0. 102863	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987 0.241594 0.204107 0.146257 0.105300 0.076130 0.055245 0.040222	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.03616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011 0.008869 0.007295 0.007295	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.046677 0.0367711 0.025225 0.017723 0.012712 0.002944 0.006914	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.061225 0.048920 0.039272 0.0319288 0.009520 0.006573 0.004599	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 0. 489788 0. 640021 0. 489788 0. 289842 0. 224110 0. 173865 0. 173867 0. 032094 0. 032094 0. 032094 0. 020319 0. 012996
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.4 2.4 2.4 2.6	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.743114 0.715218 0.689252 0.665034 0.621225 0.582708 0.548620 0.518262	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686 0.390984 0.354648 0.293003 0.243290 0.202917 0.169924	S. 318765 4.522591 3.856336 3.297026 2.826040 2.428232 2.091257 1.805012 1.561202 1.352997 1.174760 1.021813 0.890270 0.77892 0.678970 0.594231 0.520764 0.450764 0.450764 0.353082 0.273990 0.213433 0.166835 0.130816	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.667437 0.574813 0.481617 0.404294 0.339987 0.266379 0.241594 0.30937 0.146257 0.105300 0.075130	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024021 0.018231 0.013992 0.011011 0.008869 0.007295	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.083518 0.067380 0.054698 9.044677 0.036711 0.025225 0.017723 0.012712 0.009294	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.061225 0.048920 0.039272 0.031672 0.020873 0.013988 0.009520 0.006573	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 640021 0. 489788 0. 376128 0. 289842 0. 224110 0. 173865 0. 135327 0. 082769 0. 051244 0. 032094 0. 032094
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 5.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.805521 0.773138 0.743114 0.715218 0.689252 0.665034 0.621225 0.582708 0.548620 0.518262 0.491067 0.434098 0.388967 0.388967	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686 0.293003 0.243290 0.202917 0.142808 0.093732 0.062516 0.042235	S. 318765 4. 522591 3. 856336 3. 297026 2. 826040 2. 428232 2. 091257 1. 805012 1. 561202 1. 352997 1. 174760 1. 021813 0. 890270 0. 776892 0. 678970 0. 592764 0. 456957 0. 401448 0. 353082 0. 273990 0. 213433 0. 166835 0. 130816 0. 102863 0. 056999	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.627437 0.574813 0.481617 0.404294 0.339987 0.286379 0.241594 0.204107 0.146257 0.146257 0.105300 0.076130 0.055245 0.040222 0.018417	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011 0.008669 0.007295 0.006115 0.004218 0.0042485	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677 0.036711 0.025225 0.017723 0.012712 0.009294 0.006914 0.003522	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.076992 0.061925 0.048920 0.039272 0.031672 0.020873 0.013988 0.09520 0.006573 0.004599 0.001979	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 640021 0. 489788 0. 376128 0. 269842 0. 224110 0. 173865 0. 135327 0. 135327 0. 032094 0. 032094 0. 020319 0. 012996 0. 004426
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.4 2.4 2.6 3.5 4.0 4.5 5.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.773138 0.773138 0.743114 0.715218 0.6655034 0.621225 0.582708 0.518262 0.491067 0.434098 0.352323 0.321959	3.272689 2.835148 2.465522 2.15970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.652418 0.586810 0.528803 0.477381 0.431686 0.390984 0.354648 0.293003 0.243290 0.202917 0.16924 0.142808 0.093732 0.062516 0.042235 0.028836	S. 318765 4. 522591 3. 856336 3. 297026 2. 826040 2. 428232 2. 091257 1. 805012 1. 5561202 1. 352997 1. 174760 1. 021813 0. 890270 0. 776892 0. 678970 0. 594231 0. 520764 0. 456957 0. 401448 0. 353082 0. 273990 0. 213433 0. 166833 0. 166835 0. 130816 0. 102863 0. 056999 0. 0319887 0. 018137 0. 010371	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987 0.286379 0.241594 0.204107 0.146257 0.105300 0.076130 0.076130 0.076130 0.055245 0.004019 0.001906	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011 0.008869 0.007295 0.007295 0.006115 0.002486	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677 0.036711 0.025225 0.017723 0.01272 0.009294 0.006914 0.003522 0.001933 0.001122 0.000679	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.061225 0.048920 0.0391672 0.020873 0.013988 0.009520 0.006573 0.004599 0.001979 0.000904 0.000433 0.000215	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 640021 0. 489788 0. 224110 0. 173865 0. 224110 0. 173865 0. 051244 0. 032094 0. 020319 0. 012996 0. 004426 0. 000592 0. 000592
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6 6.0	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.7743114 0.715218 0.689252 0.665034 0.621225 0.582708 0.548620 0.518262 0.491067 0.352323 0.321959 0.321959 0.274492	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.552418 0.586810 0.528803 0.477381 0.431686 0.390984 0.354648 0.293003 0.243290 0.202917 0.169924 0.142808 0.093732 0.062516 0.042235 0.028836 0.013781	S. 318765 4. 522591 3. 856336 3. 297026 2. 826040 2. 428232 2. 091257 1. 805012 1. 561202 1. 561202 1. 352997 1. 174760 1. 021813 0. 890270 0. 776892 0. 678970 0. 594231 0. 5520764 0. 456957 0. 401448 0. 353082 0. 273990 0. 213433 0. 166835 0. 130816 0. 102863 0. 056999 0. 031988 0. 018137 0. 010371 0. 003460	7.350232 S.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987 0.204107 0.146257 0.105300 0.076130 0.076130 0.055245 0.004019 0.008555 0.004019 0.001906	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011 0.008869 0.007295 0.006115 0.002486 0.002446 0.002446 0.002446	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677 0.036711 0.025225 0.017723 0.012712 0.009294 0.006914 0.003522 0.001933 0.001122 0.000679 0.000679	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.076992 0.061225 0.048920 0.039272 0.031672 0.020873 0.013988 0.09520 0.006573 0.004599 0.001979 0.000904 0.000433 0.000435	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 840021 0. 489788 0. 376128 0. 289842 0. 135327 0. 082769 0. 051244 0. 032094 0. 020319 0. 012996 0. 001585 0. 001585 0. 000592 0. 000029
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.5 4.0 5.5 6.0 7.0	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.805521 0.773138 0.743114 0.715218 0.689252 0.665034 0.621225 0.582708 0.548620 0.518262 0.518262 0.434098 0.388967 0.352323 0.321959 0.274492 0.239027	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.1918481 0.907997 0.811453 0.726824 0.552418 0.586810 0.528803 0.477381 0.631686 0.390984 0.354648 0.293003 0.243290 0.202917 0.165924 0.142808 0.093732 0.062516 0.042235 0.013781 0.006757	S. 318765 4. 522591 3. 856336 3.297026 2. 826040 2. 428232 2. 091257 1. 805012 1. 561202 1. 561202 1. 352997 1. 174760 1. 021813 0. 890270 0. 776892 0. 678970 0. 594231 0. 550764 0. 456957 0. 401448 0. 353082 0. 273990 0. 213433 0. 166835 0. 130816 0. 102863 0. 056999 0. 031988 0. 018137 0. 003460 0. 001178	7.350232 5.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.969809 0.823919 0.667437 0.574813 0.481617 0.404294 0.339987 0.286379 0.241594 0.204107 0.146257 0.105300 0.076130 0.055245 0.04022 0.018417 0.008555 0.004019 0.001906 0.0004038	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011 0.008869 0.007295 0.0011011 0.008869 0.007295 0.0011011 0.008869 0.007295 0.0011011 0.008869 0.007295 0.0011011 0.008869 0.007295 0.0011011 0.008869 0.007295	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677 0.036711 0.025225 0.017723 0.012712 0.009294 0.006914 0.003522 0.001122 0.000679 0.000272 0.000272 0.000118	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.076992 0.061225 0.048920 0.039272 0.031672 0.039272 0.031672 0.009530 0.004533 0.004599 0.000453	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 74. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 640021 0. 489788 0. 376128 0. 269842 0. 22410 0. 173865 0. 135327 0. 082769 0. 012996 0. 012996 0. 0020319 0. 012996 0. 001585 0. 000592 0. 000028
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6 6.0	1.740840 1.623329 1.517749 1.422660 1.336823 1.259156 1.188716 1.124683 1.066340 1.013059 0.964288 0.919550 0.878415 0.840516 0.805521 0.773138 0.7743114 0.715218 0.689252 0.665034 0.621225 0.582708 0.548620 0.518262 0.491067 0.352323 0.321959 0.321959 0.274492	3.272689 2.835148 2.465522 2.151970 1.884902 1.656513 1.460443 1.291477 1.145333 1.018481 0.907997 0.811453 0.726824 0.552418 0.586810 0.528803 0.477381 0.431686 0.390984 0.354648 0.293003 0.243290 0.202917 0.169924 0.142808 0.093732 0.062516 0.042235 0.028836 0.013781	S. 318765 4. 522591 3. 856336 3. 297026 2. 826040 2. 428232 2. 091257 1. 805012 1. 561202 1. 561202 1. 352997 1. 174760 1. 021813 0. 890270 0. 776892 0. 678970 0. 594231 0. 5520764 0. 456957 0. 401448 0. 353082 0. 273990 0. 213433 0. 166835 0. 130816 0. 102863 0. 056999 0. 031988 0. 018137 0. 010371 0. 003460	7.350232 S.912613 4.777167 3.875937 3.157181 2.581316 2.117904 1.743402 1.439550 1.192081 0.989809 0.823919 0.687437 0.574813 0.481617 0.404294 0.339987 0.204107 0.146257 0.105300 0.076130 0.076130 0.055245 0.004019 0.008555 0.004019 0.001906	191y by 10 ⁻³ 1 0.956075 0.728367 0.558343 0.430775 0.334575 0.261650 0.206071 0.163474 0.130641 0.105186 0.085334 0.069758 0.057462 0.047696 0.039892 0.033616 0.028539 0.024406 0.021021 0.018231 0.013992 0.011011 0.008869 0.007295 0.006115 0.002486 0.002446 0.002446 0.002446	4.275214 3.169605 2.360331 1.765861 1.327551 1.003110 0.761972 0.581979 0.447025 0.345368 0.268425 0.209897 0.165147 0.130751 0.104171 0.083518 0.067380 0.054698 0.044677 0.036711 0.025225 0.017723 0.012712 0.009294 0.006914 0.003522 0.001933 0.001122 0.000679 0.000679	3 4.301806 3.185888 2.369079 1.769152 1.326944 0.999772 0.756770 0.575559 0.439865 0.337820 0.260742 0.202261 0.157686 0.123552 0.097292 0.076992 0.061225 0.048920 0.039272 0.031672 0.020873 0.013988 0.09520 0.006573 0.004599 0.001979 0.000904 0.000433 0.000435	28. 473330 20. 844091 15. 306189 11. 275282 8. 332971 6. 178957 4. 597284 3. 432277 2. 571440 1. 933298 1. 458677 1. 104492 0. 839286 0. 840021 0. 489788 0. 376128 0. 289842 0. 135327 0. 082769 0. 051244 0. 032094 0. 020319 0. 012996 0. 001585 0. 001585 0. 000592 0. 000029

TABLE 17 B. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda=15$

				AL GEOMETRIC	FACTORS (cm ²			
N	1	HILI 2	ET CHANNEL 3	4	1	2 LOLI	ET CHANNEL 3	4
0.1 0.2	0.144196 0.130928	1.02 9 064 0.871615	0.861189 0.719660	17.827812 14.199277	1.830133 1.356638	7.068409 5.175247	6.770433 4.949886	87.577141 63.457 6 45
0.3	0.119214	0.741188	0.603177	11.358624	1.011285	3.805067	3.632817	46.114471
0.4 0.5	0.108853 0.099668	0.632729 0.542190	0.507009 0.427367	9.124196 7.358457	0.758377 0.572372	2.810158 2.085237	2.677015 1.981092	33.612682 24.577154
0.6	0.091511	0.466321	0.361211	5.956857	0.434944	1.555096	1.472621	18.029032
0.7	0.084250	0.402506	0.306095	4.839479 3.944988	0.332912 0.256768	1.165882 0.878953	1.099746 0.825254	13.270052
0.8 0.9	0.077774 0.071987	0.348627 0.302970	0.260042 0.221453	3.226076	0.199632	0.666505	0.623234	9.801119 7.264785
1.0	0.066803	0.264140	0.189029	2.646081	0.156513	0.508479	0.471781	5.404411
1.1 1.2	0.062150 0.057965	0.230998 0.202615	0.161712 0.138639	2.176474 1.794945	0.123776 0.098764	0.390367 0.301 64 2	0.359516 0.275440	4.035389 3.024542
1.3	0.054193	0.178223	0.119100	1.483967	0.079527	0.234640	0.212180	2.275574
1.4 1.5	0.050785 0.047700	0.157193 0.139004	0.102514 0.088403	1.229720 1.021256	0.064633 0.053020	0.183764 0.144914	0.164350 0.128008	1.718683 1.303111
1.6	0.044901	0.123223	0.076370	0.849866	0.043899	0.115073	0.100254	0.991858
1.7	0.042357	0.109492	0.066087	0.708594	0.036684	0.092014	0.078949	0.757876
1.8 1.9	0.040039 0.037924	0.097508 0.087022	0.057280 0.049724	0.591868 0.495205	0.030934 0.026317	0.074087 0.060063	0.062511 0.049760	0.581322 0.447599
2.0	0.035988	0.077821	0.043228	0.414986	0.022582	0.049022	0.039818	0.345935
2.2 2.4	0.032585 0.029704	0.062590 0.050692	0.032807 0.025025	0.292709 0.207557	0.017039 0.013251	0.033302 0.023191	0.025886 0.017154	0.208928 0.127987
2.6	0.027246	0.030692	0.023023	0.207337	0.010587	0.023191	0.017134	0.079467
2.8	0.025133	0.033868	0.014759	0.105796	0.008663	0.012022	0.007934	0.049971
3.0 3.5	0.023304 0.019678	0.027906 0.017539	0.011402 0.006070	0.075980 0.033688	0.007239 0.004976	0.008912 0.004519	0.005521 0.002358	0.031798 0.010758
4.0	0.017013	0.011284	0.003290	0.015193	0.003707	0.002476	0.001073	0.003852
4.5	0.014988	0.007398	0.001809	0.006946	0.002923	0.001436 0.000868	0.000513	0.001445
5.0 6.0	0.013405 0.011105	0.004924 0.002261	0.001007 0.000321	0.003212 0.000706	0.002402 0.001768	0.000347	0.000255 0.000068	0.000563 0.000094
7.0	0.009523	0.001077	0.000105	0.000159	0.001406	0.000150	0.000020	0.000017
8.0 9.0	0.008372 0.007498	0.000526 0.000263	0.000035 0.000012	0.000037 0.000009	0.001176 0.001020	0.000068 0.000032	0.000006 0.000002	0.000003 0.000001
10.0	0.006812	0.000133	0.000004	0.000002	0.000909	0.000016	0.000001	0.000000
		DOSE O	MNIDIRECTION	IAL GEOMETRIC	FACTORS (cm	1 HeV)		
		HI	LET CHANNEL	mult	iply by 10 ⁻³	FOLE	T CHANNEL	
N	1						T CHANNEL	4
0.1	1.608904	MII 2 2.882166	4.604245	mult 4 6.586687	iply by 10 ⁻³ 1 0.937506	LOLE 2 4.324576	3 4.343919	31.111769
0.1 0.2	1.608904 1.504487	HII 2 2.882166 2.515196	4.604245 3.940243	mult 4 6.586687 5.338889	1 0.937506 0.716572	LOLE 2 4.324576 3.224952	3 4.343919 3.235169	31.111769 22.869581
0.1	1.608904	MII 2 2.882166	4.604245	mult 4 6.586687	iply by 10 ⁻³ 1 0.937506	LOLE 2 4.324576	3 4.343919	31.111769
0.1 0.2 0.3 0.4 0.5	1.608904 1.504487 1.410407 1.325454 1.248560	2.882166 2.515196 2.52723 1.935591 1.706331	4.604245 3.940243 3.380562 2.907400 2.506224	6.586687 5.338889 4.345407 3.550624 2.911860	1 0.937506 0.716572 0.551290 0.427011 0.333069	4.324576 3.224952 2.116301 1.319339 1.376885	3 4.343919 3.235169 2.419877 1.818156 1.372350	31.111769 22.869581 16.866589 12.481544 9.268590
0.1 0.2 0.3 0.4 0.5 0.6	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011	LOLE 2 4.324576 3.224952 2.116301 1.319339 1.376885 1.047568	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133	LOLE 2 4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.38049 1.189858 1.060824	4.604245 3.940243 3.340262 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681	LOLE 2 4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.467322	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660	LOLE 2 4.324576 3.224952 2.116301 1.419339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463	4.604245 3.940243 3.940243 3.380562 2.907400 2.506224 2.165130 1.625797 1.412838 1.22938 1.022500 0.936687	mult 4 6.586687 5.338889 4.345407 3.550624 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083	LOLE 2 4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.616514 0.477029 0.371276 0.290696 0.228980	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.467322 0.361410 0.280897 0.219410	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.608904 1.504487 1.410407 1.325454 1.24856 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.229938 1.072500	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660	LOLE 2 4.324576 3.224952 2.116301 1.419339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696	3 4.343919 3.235169 2.419877 1.818156 1.372350 0.793063 0.607282 0.467322 0.361410 0.280897	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.796976	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.229938 1.072500 0.936687 0.819291 0.717615 0.629393	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969	LOLE 2 4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.228980 0.181464 0.144684 0.116060	3 4.343919 3.235169 2.419877 1.818156 1.372350 0.607282 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217	2.882166 2.515196 2.202723 1.935591 1.706381 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.504920	4.604245 3.940243 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.229938 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.394473	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575	4.324576 3.224952 2.116301 1.419339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.228980 0.181464 0.144684 0.144684 0.146660 0.093661	3 4.343919 3.235169 2.419877 1.818156 1.372350 0.400743 0.793063 0.607282 0.361410 0.280897 0.219410 0.172232 0.107691 0.085767	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.796976	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.229938 1.072500 0.936687 0.819291 0.717615 0.629393	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123	LOLE 2 4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.228980 0.181464 0.144684 0.116060	3 4.343919 3.235169 2.419877 1.818156 1.372350 0.607282 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.766976 0.737217 0.709571 0.669840	2.882166 2.515196 2.202723 1.935591 1.708823 1.338049 1.189858 1.06824 0.948097 0.849306 0.762463 0.68921 0.558230 0.504920 0.457438 0.415049 0.377126	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.394473 0.332961 0.281452 0.238237	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.022622	4.324576 3.224952 2.116301 1.419339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.228980 0.181464 0.116060 0.093661 0.076036 0.062090 0.050995	3 4.343919 3.235169 2.419877 1.818156 1.372350 0.607282 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217 0.709571 0.683837	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.504920 0.457438 0.415049	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.394473 0.332961 0.281452	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123	4.324576 3.224952 2.116301 1.319339 1.376885 0.801386 0.616514 0.477029 0.371276 0.290696 0.28980 0.181464 0.116060 0.093661 0.076036 0.062090	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217 0.683837 0.659840 0.637420 0.596763 0.560908	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.504920 0.457438 0.415049 0.377126 0.343129 0.285117 0.237989	3 4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.332415 0.259327 0.203001	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.394473 0.332961 0.281452 0.238237 0.201915 0.145550 0.105362	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.0559734 0.049880 0.041969 0.035575 0.030377 0.026123 0.022622 0.019721 0.015279 0.012124	4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.28980 0.181464 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.029201	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.024028 0.016239	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.796974 0.766976 0.737217 0.769571 0.683837 0.637420 0.596763 0.596763 0.560908 0.529087	2.882166 2.515196 2.202723 1.935591 1.705831 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.68221 0.558230 0.504920 0.457438 0.415049 0.377126 0.343129 0.285117 0.237989 0.199457	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.332415 0.259327 0.203001 0.159400	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.5556368 0.468084 0.394473 0.332961 0.281452 0.281452 0.281455 0.105362 0.105362	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.13681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.022622 0.019721 0.015279 0.012124 0.009833	4.324576 3.224952 2.116301 1.419339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.228980 0.181464 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.0292067 0.020667	3 4.343919 3.235169 2.419877 1.818156 1.372350 0.793063 0.607282 0.46732 0.3651410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.02409 0.011133	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 2.6 2.8 3.0	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217 0.709571 0.683837 0.6537420 0.596763 0.596908 0.529087 0.500672 0.475159	2.882166 2.515196 2.202723 1.935531 1.508823 1.338049 1.189588 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.504920 0.457438 0.415049 0.377126 0.377126 0.343129 0.285117 0.237989 0.199457 0.167773 0.167773	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.229938 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.3322415 0.259327 0.203001 0.159400 0.125512 0.099078	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.3342473 0.332961 0.281452 0.288237 0.201915 0.105362 0.076554 0.055806 0.040801	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.02622 0.019721 0.015279 0.012124 0.009833 0.008135 0.006851	4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.28980 0.181464 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.020667 0.014908 0.010945 0.010945	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.024028 0.016239 0.011133 0.007732 0.005435	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309 0.05781
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8 3.5	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217 0.705971 0.659840 0.637420 0.596763 0.590672 0.475159 0.421514	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.504920 0.457438 0.415049 0.377126 0.343129 0.285117 0.237989 0.199457 0.167773 0.141584 0.093780	3 4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.332415 0.259327 0.203001 0.159400 0.125512 0.099078 0.055381	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.394473 0.312961 0.281452 0.238237 0.201915 0.145550 0.105362 0.076554 0.055806 0.040801 0.018854	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.022622 0.019721 0.015279 0.012124 0.009833 0.008151 0.004762	4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.28980 0.181464 0.144684 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.029201 0.020667 0.014908 0.010945 0.008166 0.008166	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.024028 0.016239 0.011133 0.007732 0.005435 0.002358	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309 0.025781 0.016646
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 2.6 2.8 3.0	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217 0.709571 0.683837 0.6537420 0.596763 0.596908 0.529087 0.500672 0.475159	2.882166 2.515196 2.202723 1.935531 1.508823 1.338049 1.189588 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.504920 0.457438 0.415049 0.377126 0.377126 0.343129 0.285117 0.237989 0.199457 0.167773 0.167773	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.229938 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.3322415 0.259327 0.203001 0.159400 0.125512 0.099078	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.3342473 0.332961 0.281452 0.288237 0.201915 0.105362 0.076554 0.055806 0.040801	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.02622 0.019721 0.015279 0.012124 0.009833 0.008135 0.006851	4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.28980 0.181464 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.020667 0.014908 0.010945 0.010945	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.024028 0.016239 0.011133 0.007732 0.005435	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309 0.05781
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 1.9 2.2 2.4 2.6 3.5 4.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217 0.709571 0.683837 0.653840 0.596763 0.560908 0.529087 0.500672 0.475159 0.421514 0.378821 0.315087	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.6885903 0.618221 0.558230 0.504920 0.457438 0.415049 0.377126 0.337129 0.285117 0.237989 0.199457 0.167773 0.167773 0.167773 0.167773 0.167773 0.163032 0.063032 0.063032	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.332415 0.259327 0.203001 0.159400 0.125512 0.099078 0.055381 0.017871 0.010278	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.394473 0.332961 0.281452 0.238237 0.201915 0.16550 0.105362 0.076554 0.076554 0.008826 0.004174 0.008826	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.02622 0.015279 0.012124 0.009833 0.008135 0.004762 0.003564 0.002817 0.002318	4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.28980 0.181464 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.020667 0.014908 0.010945 0.004172 0.00228	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.024028 0.016239 0.011133 0.007732 0.005435 0.002358 0.001080 0.0002517 0.000256	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309 0.05781 0.016646 0.005785 0.002193 0.000794 0.000310
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 4.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.766976 0.737217 0.709571 0.683837 0.659840 0.637420 0.596763 0.596763 0.596763 0.596763 0.596763 0.596763 0.421514 0.378821 0.344021 0.315087 0.269669	2.882166 2.515196 2.202723 1.935591 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.457438 0.457438 0.415049 0.377126 0.343129 0.285117 0.237989 0.199457 0.167773 0.141584 0.093780 0.063032 0.042866 0.029435 0.014198	LET CHAMNEL 3 4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.332415 0.259327 0.203001 0.159400 0.125512 0.095381 0.031313 0.017871 0.010278 0.003463	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.556368 0.468084 0.394473 0.3322961 0.281452 0.238237 0.201915 0.145550 0.105362 0.076554 0.055806 0.040801 0.018854 0.008826 0.004174 0.001990	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.022622 0.019721 0.015279 0.012124 0.009833 0.008151 0.004762 0.002318 0.002318	4.324576 3.224952 2.116301 1.319339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.28980 0.181464 0.144684 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.029201 0.020667 0.014908 0.01325 0.008166 0.004172 0.002288 0.001325 0.000800 0.000318	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.467322 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.024028 0.016239 0.011133 0.007732 0.005435 0.002358 0.001080 0.000517 0.000256 0.000068	31.11769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309 0.015781 0.016646 0.005785 0.002103 0.000794 0.000051
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.0 2.4 2.4 2.8 3.0 3.5 6.0 6.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799074 0.766976 0.737217 0.6698837 0.659840 0.637420 0.596763 0.560908 0.529087 0.500672 0.475159 0.421514 0.378821 0.315087 0.269669 0.235567 0.208970	2.882166 2.515196 2.202723 1.935291 1.706331 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.685903 0.618221 0.558230 0.457438 0.415049 0.343129 0.285117 0.237989 0.167773 0.141584 0.093780 0.063032 0.042866 0.029435 0.014198 0.007010 0.003523	4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.229938 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376841 0.259327 0.203001 0.159400 0.125512 0.099078 0.055381 0.017871 0.010278 0.003463 0.001189 0.000414	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.799419 0.662501 0.556368 0.468084 0.394473 0.332961 0.281452 0.238237 0.201915 0.105362 0.076554 0.005806 0.040801 0.018854 0.008826 0.004174 0.001990 0.000426	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261668 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.059734 0.049880 0.041969 0.035575 0.030377 0.026123 0.02622 0.015279 0.015279 0.015279 0.015279 0.015279 0.015279 0.015279 0.015279 0.015279 0.015279 0.015279 0.0165270 0.004762 0.004762 0.004762 0.004762 0.004762 0.004762 0.004762 0.001712 0.001365	4.324576 3.224952 2.116301 1.419339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.181464 0.144684 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.020667 0.014908 0.010945 0.004172 0.002688 0.001325 0.000800 0.000318 0.000137 0.00063	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.361410 0.172232 0.1375862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.024028 0.106239 0.011133 0.007732 0.005435 0.00256 0.000565 0.000066	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309 0.05781 0.016646 0.005783 0.002103 0.000794 0.000010 0.0000010
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 5.0 6.0 7.0	1.608904 1.504487 1.410407 1.325454 1.248560 1.178805 1.115378 1.057575 1.004777 0.956446 0.912103 0.871330 0.833763 0.799574 0.766976 0.737217 0.683837 0.659840 0.637420 0.596763 0.560908 0.529087 0.500672 0.475159 0.421514 0.378821 0.315087 0.269669 0.235567	2.882166 2.515196 2.202723 1.935591 1.705831 1.508823 1.338049 1.189858 1.060824 0.948097 0.849306 0.762463 0.68921 0.558230 0.504920 0.457438 0.415049 0.377126 0.343129 0.285117 0.237989 0.19773 0.141584 0.063032 0.063032 0.042866 0.029435 0.014198 0.007010	3 4.604245 3.940243 3.380562 2.907400 2.506224 2.165130 1.874338 1.625797 1.412838 1.072500 0.936687 0.819291 0.717615 0.629393 0.552711 0.485947 0.427727 0.376882 0.332415 0.259327 0.203001 0.159400 0.125512 0.999078 0.053381 0.017871 0.010278 0.003463 0.001189	6.586687 5.338889 4.345407 3.550624 2.911860 2.396220 1.978232 1.638061 1.360176 1.132375 0.945007 0.790419 0.662501 0.5556368 0.468084 0.334473 0.332961 0.281452 0.238237 0.201915 0.145550 0.105362 0.076554 0.055806 0.040801 0.018854 0.008826 0.004174 0.001990 0.000462 0.000109	1ply by 10 ⁻³ 1 0.937506 0.716572 0.551290 0.427011 0.333069 0.261658 0.207092 0.165133 0.132681 0.107430 0.087660 0.072083 0.05575 0.030577 0.035575 0.030377 0.026123 0.022622 0.019721 0.015279 0.012124 0.009833 0.008135 0.008760 0.008760 0.008760 0.0088135 0.008760 0.0088135 0.008760 0.008760 0.008760 0.008760 0.008760	4.324576 3.224952 2.116301 1.419339 1.376885 1.047568 0.801386 0.616514 0.477029 0.371276 0.290696 0.228980 0.181464 0.116060 0.093661 0.076036 0.062090 0.050995 0.042118 0.029201 0.020667 0.014908 0.010945 0.004172 0.002288 0.001325 0.000318 0.000318	3 4.343919 3.235169 2.419877 1.818156 1.372350 1.040743 0.793063 0.607282 0.361410 0.280897 0.219410 0.172232 0.135862 0.107691 0.085767 0.068625 0.055159 0.044531 0.036106 0.02408 0.016239 0.011133 0.007732 0.005435 0.00256 0.000256 0.000068 0.000020	31.111769 22.869581 16.866589 12.481544 9.268590 6.907042 5.165675 3.877357 2.921004 2.208634 1.676143 1.276710 0.976017 0.748843 0.576599 0.445536 0.345454 0.268760 0.209783 0.164275 0.101672 0.063668 0.040309 0.055781 0.016646 0.005785 0.002103 0.000794 0.000051 0.000009

TABLE 17 C. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 30$

				L GEOMETRIC	FACTORS (cm²			
N	1	MILI 2	ET CHANNEL 3	4	1	2 LOLE	T CHANNEL 3	4
0.1	0.134438	0.968534	0.794637	16.307964	1.936677	8.234947	7.923703	114.908493
0.2	0.122838	0.828498	0.669665	13.142445	1.438742	6.046164	5.808708	83.547615
0.3 0.4	0.112536 0.103371	0.711433 0.613183	0.565970 0.479656	10.635989 8.641797	1.075093 0.808400	4.458786 3.303600	4.275568 3.160532	60.937576 44.592190
0.5	0.103371	0.530396	0.407586	7.047741	0.611940	2.459851	2.346741	32.742222
0.6	0.087898	0.460373	0.347225	5.767885	0.466527	1.841176	1.750628	24.125837
0.7 0.8	0.081363 0.075502	0.400919 0.350252	0.296523 0.253812	4.735911 3.900487	0.358352 0.277446	1.385676 1.048850	1.312271 0.988612	17.841347 13.242986
0.9	0.070233	0.306918	0.217734	3.221604	0.216590	0.798645	0.748629	9.867194
1.3 1.1	0.065487 0.061205	0.269725 0.237694	0.187178 0.161232	2.667949 2.214911	0.170543 0.135481	0.611888 0.471791	0.569902 0.436183	7.380426 5.542105
1.2	0.057332	0.210019	0.139148	1.843033	0.108610	0.366146	0.335665	4.178214
1.3	0.053822	0.186031	0.120306 0.104194	1.536876	0.087876	0.286046	0.259736	3.162584
1.4 1.5	0.050635 0.047736	0.165175 0.146989	0.090387	1.284128 1.074936	0.071765 0.059156	0.224974 0.178140	0.202095 0.158112	2.403426 1.833813
1.6	0.045093	0.131087	0.078531	0.901375	0.049215	0.142012	0.124379	1.404766
1.7 1.8	0.042678 0.040469	0.117143 0.104886	0.068331 0.059538	0.757056 0.636799	0.041319 0.035000	0.113974 0.092082	0.098372 0.078216	1.080343 0.834072
1.9	0.038442	0.094084	0.051946	0.536397	0.029904	0.074883	0.062512	646400
2.0 2.2	0.036581 0.033287	0.084541 0.068597	0.045379 0.034753	0.452418 0.323012	0.025765 0.01 9 583	0.061287 0.041819	0.050214 0.032873	0.502828 0.307581
2.4	0.030477	0.055995	726731	0.231624	0.015322	0.029208	0.021915	0.190752
2.6	0.028061	0.045957	0.029641	0.166733	0.012302	0.020843	0.014855	0.119827
2.8 3.0	0.025972 0.024152	0.037904 0.031403	0.015996 0.012437	0.120435 0.087261	0.010105 0.008468	0.015167 0.011234	0.010224	0.076173 0.048955
3.5	0.020512	0.019958	0.006712	0.039448	0.005844	0.005664	0.003055	0.016904
4.0 4.5	0.017807 0.015734	0.012947 0.008541	0.003677 0.002040	0.018081 0.008381	0.004359 0.003437	0.003079 0.001771	0.001388 0.000661	0.006137 0.002319
5.0	0.014104	0.005712	0.001144	0.003921	0.002822	0.001063	0.000326	0.000906
6.0 7.0	0.011719	0.002640 0.001262	0.000369 0.000122	0.000877 0.000201	0.002072 0.001642	0.000420 0.000180	0.000086 0.000025	0.000149 0.000027
8.0	0.010067 0.008859	0.001282	0.000122	0.000201	0.001369	0.000082	0.000023	0.000027
9.0	0.007939	0.000309	0.000014	0.000011	0.001184	0.000038	0.000002	0.000001
10.0	0.007216	0.000157	0.000005	0.000003	0.001751	0.000019	0.000001	0.000000
					FACTORS (cm ²		CHANNEL	
N	1		MRIDIRECTION/ LET CHANNEL 3		FACTORS (cm ² iply by 10 ⁻³ 1		CHANNEL 3	4
		HI (2	LET CHANNEL 3	mult 4	iply by 10 ⁻³ 1	LOLET 2	3	
0.1 0.2	1.481957 1.391821	HIE 2 2.674329 2.350516	4.188049 3.605158	mult 4 5.871301 4.801652	iply by 10 ⁻³ 1 0.942558 0.723646	LOLE 2 4.672441 3.507961	3 4.680588 3.508814	37.067101 27.439621
0.1 0.2 0.3	1.481957 1.391821 1.310239	HIE 2 2.674329 2.350516 2.072784	4.188049 3.605158 3.110785	5.871301 4.801652 3 942384	1 0.942558 0.723646 0.559431	4.672441 3.507961 2.647147	3 4.680588 3.508814 2.642749	37.067101 27.439621 20.387432
0.1 0.2	1.481957 1.391821	HIE 2 2.674329 2.350516	4.188049 3.605158	mult 4 5.871301 4.801652	iply by 10 ⁻³ 1 0.942558 0.723646	LOLE 2 4.672441 3.507961	3 4.680588 3.508814	37.067101 27.439621
0.1 0.2 0.3 0.4 0.5	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639	HIE 2 2.674329 2.350516 2.072784 1.833631 1.626904 1.447549	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693	5.871301 4.801652 3.942384 3.48801 2.685412 2.228436	1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.481957 1.391821 1.310239 1.236231 1.168946	HIE 2 2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577	5.871301 4.801652 3.942384 3.48801 2.685412	1ply by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019	4.672441 3.507961 2.647147 2.008129 1.531669	3 4.680588 3.508814 2.642749 2.000043 1.521083	37.067101 27.439621 20.387432 15.204563 11.382527
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343	4.188049 3.605158 3.10785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514	5.871301 4.801652 3.942384 3.48801 2.685412 2.228436 1.853978 1.546647 1.293510	1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.139579	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.905209 0,703092 0.548707	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.689544 0.535096	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226	5.871301 4.801652 3.42384 3.48801 2.686412 2.228436 1.853978 1.546647 1.293510 1.084319	1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.139579 0.113786	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.6893090 0.689544 0.535096 0.417349	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330	5.871301 4.801652 3.942384 3.48801 2.686412 2.228436 1.853978 1.546647 1.293510 1.084319 0.766763	1ply by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 C.172565 0.139579 0.113786 0.093487 0.077407	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405 0.682659	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640	5.871301 4.801652 3.942384 3.48801 2.685412 2.228436 1.546647 1.293510 1.084319 0.910916 0.766763 0.646607	1ply by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 C.172565 0.139579 0.113786 0.093487 0.077407 0.064597	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715 0.204010	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330	5.871301 4.801652 3.942384 3.48801 2.686412 2.228436 1.853978 1.546647 1.293510 1.084319 0.766763	1ply by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 C.172565 0.139579 0.113786 0.093487 0.077407	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3 1.4	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 6.739165 0.712003	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405 0.682659 0.560334 0.508838	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314	5.871301 4.801652 3.942384 3.48801 2.686412 2.228436 1.853978 1.546647 1.094319 0.910916 0.766763 0.646607 0.462121 0.391550	1ply by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.054297 0.0542985 0.039228	4.672441 3.507961 2.647147 2.008129 1.531669 1.174783 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715 0.204010 0.162269 0.129670 0.129670	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836752 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.830766 0.799820 0.768366 0.779165 0.712003 0.686690	2.674329 2.350516 2.072784 1.83631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405 0.682659 0.617980 0.560334 0.508838 0.462735	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784	5.871301 4.801652 3 942384 3.48801 2.688412 2.228436 1.853978 1.546647 1.293510 1.084319 0.910916 0.766763 0.546607 0.546207 0.462121 0.332204	1ply by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 (.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.064597 0.054297 0.045985 0.039228 0.033699	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 6.739165 0.712003 0.686690 0.6663059 0.640959	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.755405 0.682659 0.617980 0.560334 0.508838 0.462735 0.421375 0.384198	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374	5.871301 4.801652 3 942384 3.48861 1.853978 1.546647 1.923510 0.910916 0.766763 0.646607 0.546207 0.546207 0.332204 0.282208 0.240016	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.064597 0.045985 0.039228 0.033699 0.039147 0.025377	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 (7.739165 0.712003 0.686690 0.663059 0.663059 0.620253	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405 0.682659 0.617980 0.560334 0.508838 0.462735 0.421375 0.384198 0.350720	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374 0.328548	5.871301 4.801652 3 942384 3.48801 2.685412 2.228436 1.853978 1.546647 1.094319 0.910916 0.766763 0.646607 0.546207 0.546202 0.391550 0.332204 0.282208 0.240016 0.204354	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.054297 0.054298 0.033699 0.029147 0.025377 0.025377	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275 0.052536	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715 0.204010 0.162269 0.129670 0.129670 0.104089 0.083922 0.067950 0.055242 0.045087	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427 2.94309
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 6.739165 0.712003 0.686690 0.663059 0.640959 0.640959 0.5420253 0.582562 0.549162	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.755405 0.682659 0.617980 0.560334 0.50838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374 0.328548 0.257776 0.202856	5.871301 4.801652 3 °44384 3.448801 2.686412 2.228436 1.853978 1.546647 1.0910916 0.766763 0.646607 0.546207 0.462121 0.391550 0.332204 0.282208 0.240016 0.204354 0.148582 0.108417	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.054297 0.045985 0.039228 0.033699 0.029147 0.025377 0.022235 0.017381 0.013894	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275 0.052536 0.036747 0.026177	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.067950 0.055242 0.055242 0.030371 0.020742	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427 294309 26665 0.146682 0.093484
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 6.739165 0.712003 0.686690 0.686599 0.620253 0.582562 0.549162 0.519386	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.755405 0.682659 0.617980 0.560334 0.508838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153 0.207379	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374 0.328548 0.25776 0.160069	5.871301 4.801652 3 942384 3.448801 1.685412 2.228436 1.853978 1.546647 1.094319 0.910916 0.766763 0.646607 0.546207 0.462121 0.331250 0.332204 0.204354 0.204354 0.1488417 0.079358	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.13786 0.093487 0.077407 0.064597 0.054297 0.045985 0.039228 0.033699 0.029147 0.025377 0.022235 0.017381 0.013894 0.011336	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.052536 0.036747 0.026177 0.018966	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242 0.045087 0.030371 0.020742 0.014346	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427 2.2665 0.146682 0.093484 0.060175
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 6.739165 0.712003 0.686690 0.663059 0.640959 0.640959 0.5420253 0.582562 0.549162	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.755405 0.682659 0.617980 0.560334 0.50838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374 0.328548 0.257776 0.202856	5.871301 4.801652 3 °44384 3.448801 2.686412 2.228436 1.853978 1.546647 1.0910916 0.766763 0.646607 0.546207 0.462121 0.391550 0.332204 0.282208 0.240016 0.204354 0.148582 0.108417	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 6.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.054297 0.045985 0.039228 0.033699 0.029147 0.025377 0.022235 0.017381 0.013894	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275 0.052536 0.036747 0.026177	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.067950 0.055242 0.055242 0.030371 0.020742	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427 294309 26665 0.146682 0.093484
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.870473 0.833766 0.799820 0.768366 0.739165 0.712003 0.686690 0.663059 0.640959 0.640959 0.640959 0.620253 0.582562 0.549162 0.519386 0.492691 0.468632 0.417765	2.674329 2.350516 2.072784 1.83631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405 0.682659 0.617980 0.560334 0.50838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153 0.207379 0.175279 0.175279 0.175279 0.175279	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.371374 0.328548 0.257776 0.202856 0.160069 0.126616 0.100375 J.056642	5.871301 4.801652 3 °42384 3.448801 2.686412 2.228436 1.853978 1.546647 0.910916 0.766763 0.546607 0.462121 0.391550 0.332204 0.282208 0.240016 0.204354 0.148582 0.108417 0.079358 0.058249 0.042861 0.020091	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 0.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.054297 0.045985 0.039228 0.033699 0.029147 0.022377 0.02237 0.02237 0.0133894 0.011336 0.0014361 0.007962 0.007560	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275 0.052536 0.036747 0.018966 0.013957 0.018966 0.013957 0.018967	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242 0.067950 0.030371 0.020742 0.014346 0.010037 0.007097 0.003105	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427 294309 2665 0.146682 0.093484 0.060175 0.039088 0.025602 0.009175
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 2.6 2.8 3.0	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.873473 0.633766 0.799820 0.768366 0.799820 0.768366 0.7912003 0.686690 0.663059 0.640959 0.640959 0.620253 0.582562 0.549162 0.519386 0.492691 0.468632	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.755405 0.682659 0.617980 0.560334 0.508838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153 0.207379 0.175279 0.175279 0.175279	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.90330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374 0.326548 0.257776 0.202856 0.160069 0.126616 0.100375	5.871301 4.801652 3 942384 3.248801 2.686412 2.228436 1.853978 1.546647 1.293510 1.084319 0.910916 0.766763 0.546607 0.546207 0.462121 0.391550 0.332204 0.282208 0.240016 0.204354 0.148582 0.108417 0.079358 0.058249 0.042861	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 (.172565 0.139579 0.113786 0.093487 0.07407 0.064597 0.064597 0.064597 0.054297 0.045985 0.033699 0.029147 0.025377 0.025235 0.017381 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.009421	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275 0.052536 0.036747 0.026177 0.018966 0.013957 0.010420	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242 0.045087 0.030371 0.020742 0.014346 0.014037 0.007097	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777631 0.607015 0.475324 0.373427 2.2665 0.146682 0.093484 0.060175 0.039088 0.025602 0.099175 0.003415
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.6 1.7 1.8 2.2 2.4 2.6 3.0 3.5 4.0 3.5 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 0.799820 0.768366 0.799820 0.663059 0.640959 0.640959 0.640959 0.620253 0.582562 0.549162 0.519386 0.492691 0.468632 0.417765 0.377601 0.343584 0.315665	2.674329 2.350516 2.072784 1.83631 1.626904 1.447549 1.291381 1.154941 1.035343 0.930181 0.837433 0.755405 0.682659 0.617980 0.560334 0.508838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153 0.207379 0.175279 0.178279 0.148580 0.099387 0.067360 0.099387 0.067360 0.031881	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.32184 0.257776 0.202856 0.160069 0.126616 0.100375 J.056642 0.032288 0.010740	5.871301 4.801652 3 942384 3.248801 2.686412 2.228436 1.853978 1.546647 0.910916 0.766763 0.546607 0.546207 0.462121 0.391550 0.332204 0.282208 0.240016 0.204354 0.148582 0.108417 0.079358 0.058249 0.042861 0.020091 0.000550 0.0004550	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 (.172565 0.139579 0.113786 0.093487 0.07407 0.064597 0.064597 0.054297 0.045985 0.033699 0.029147 0.025377 0.025377 0.022235 0.017381 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.003292 0.003292	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275 0.0552536 0.036747 0.026177 0.018966 0.013957 0.010420 0.005302 0.002882 0.001652 0.000987	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242 0.045087 0.030371 0.020742 0.014346 0.010037 0.007097 0.003105 0.001425 0.000335	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427 294309 2665 0.146682 0.093484 0.060175 0.039088 0.025602 0.009175 0.003411 0.000516
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.5 1.6 1.7 1.8 1.9 2.0 2.2 4.0 4.5 5.0 6.0	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 0.739165 0.712003 0.686690 0.663059 0.640959 0.640959 0.640959 0.650253 0.582562 0.549162 0.519386 0.492691 0.468632 0.417765 0.377001 0.343584 0.315665	2.674329 2.350516 2.072784 1.83631 1.626904 1.447549 1.291381 1.154941 1.035343 0.755405 0.682659 0.617980 0.560334 0.50838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153 0.207379 0.175279 0.175279 0.175279 0.175279 0.067360 0.099387 0.067360 0.031881 0.015539	4.188049 3.605158 3.110785 2.605158 3.110785 2.60254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.371374 0.328548 0.257776 0.202856 0.160069 0.126616 0.100375 J.056642 0.032288 0.018558	5.871301 4.801652 3 °42384 3.448801 2.686412 2.228436 1.853978 1.546647 1.0913916 0.766763 0.546607 0.462121 0.391550 0.332204 0.282208 0.240016 0.204354 0.148582 0.108417 0.079358 0.058249 0.020991 0.000520 0.000550	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 0.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.054297 0.045985 0.039228 0.033699 0.029147 0.022377 0.02237 0.02237 0.01336 0.013984 0.0133894 0.0133894 0.0133894 0.0133894 0.0133894 0.0133894 0.0133894 0.013920 0.009421 0.007962 0.005560 0.004167 0.003292 0.002707 0.002707	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.063275 0.052536 0.036747 0.018966 0.013957 0.018966 0.013957 0.002882 0.001652 0.000987 0.000987	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242 0.045087 0.030371 0.020742 0.014346 0.10037 0.007097 0.003105 0.001425 0.000688	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373827 294309 2665 0.146682 0.093884 0.060175 0.039088 0.025602 0.009175 0.001311 0.000516
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.0 3.5 6.0 7.0 8.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768366 0.799820 0.768366 0.739165 0.712003 0.686690 0.66059 0.620253 0.582562 0.549162 0.519386 0.492691 0.468632 0.417765 0.377001 0.343584 0.315665 0.271582 0.238257 0.212118	2.674329 2.350516 2.072784 1.83631 1.626904 1.447549 1.291381 1.153543 0.930181 0.837433 0.755405 0.682659 0.617980 0.508838 0.462735 0.421375 0.384198 0.350720 0.293231 0.246153 0.207379 0.175279 0.148580 0.099387 0.09381 0.046140 0.031881 0.007735 0.007735	4.188049 3.605158 3.110785 2.690254 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374 0.371374 0.328548 0.257776 0.202856 0.160616 0.100375 J.056642 0.100375 J.056642 0.032288 0.010740 0.003657 0.001267 0.001267	5.871301 4.801652 3 942384 3.48801 2.688412 2.228436 1.853978 1.546647 1.293510 1.084319 0.910916 0.766763 0.646607 0.4662121 0.391550 0.332204 0.282208 0.240016 0.204354 0.148582 0.108417 0.079358 0.042861 0.020991 0.000516 0.000516 0.000124 0.000030	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 0.13786 0.093487 0.077407 0.064597 0.054297 0.045985 0.039228 0.033699 0.029147 0.025377 0.015894 0.001584	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.905209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.053275 0.052536 0.036747 0.018966 0.013957 0.010420 0.005302 0.002882 0.002882 0.000987 0.000387 0.000387 0.000387	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.535096 0.417349 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242 0.045087 0.030371 0.020742 0.014346 0.010037 0.007097 0.003105 0.001425 0.000680 0.000335 0.000088	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.671886 1.290776 1.000204 0.777831 0.607015 0.475324 0.373427 2.294309 1.2665 0.146682 0.093484 0.060175 0.003415 0.003111 0.000516 0.000015 0.000003
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.0 3.5 5.0 6.0 7.0	1.481957 1.391821 1.310239 1.236231 1.168946 1.107639 1.051654 1.000420 0.953431 0.910246 0.870473 0.833766 0.799820 0.768665 0.712003 0.686690 0.680690 0.663059 0.620253 0.582562 0.549162 0.59162 0.519386 0.492691 0.468632 0.417765 0.377001 0.343584 0.315665 0.271582 0.238257	2.674329 2.350516 2.072784 1.833631 1.626904 1.447549 1.291381 1.154941 1.035343 0.755405 0.682659 0.617980 0.560334 0.508838 0.462735 0.421375 0.384198 0.350720 0.29231 0.246153 0.207379 0.175279 0.175279 0.175279 0.175279 0.175279 0.067360 0.099387 0.067360 0.046140 0.031881 0.015539 0.007735	4.188049 3.605158 3.110785 2.69054 2.331521 2.024693 1.761577 1.535398 1.340514 1.172226 1.026599 0.900330 0.790640 0.695181 0.611969 0.539314 0.475784 0.420154 0.371374 0.328548 0.257776 0.106069 0.126616 0.100375 0.01267	5.871301 4.801652 3 942384 3.48861 1.853978 1.546647 1.0910916 0.766763 0.646607 0.546207 0.462121 0.391550 0.332204 0.204354 0.184582 0.108417 0.079358 0.058249 0.042861 0.020091 0.000550 0.0001516 0.000124	1p1y by 10 ⁻³ 1 0.942558 0.723646 0.559431 0.435582 0.341654 0.270003 0.215019 0.172565 0.139579 0.113786 0.093487 0.077407 0.064597 0.054297 0.045985 0.039228 0.039699 0.02137 0.02235 0.017381 0.013894 0.013894 0.013894 0.013894 0.013894 0.013894 0.01386 0.009421 0.009560 0.004167 0.003292 0.002707 0.001584	4.672441 3.507961 2.647147 2.008129 1.531669 1.174788 0.906209 0.703092 0.548707 0.430758 0.340171 0.270226 0.215927 0.173544 0.140282 0.114034 0.093209 0.076597 0.052536 0.03677 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302 0.005302	3 4.680588 3.508814 2.642749 2.000043 1.521083 1.162600 0.893090 0.689544 0.335936 0.417349 0.327147 0.257715 0.204010 0.162269 0.129670 0.104089 0.083922 0.067950 0.055242 0.045087 0.030371 0.020742 0.014346 0.010037 0.007097 0.003105 0.001425 0.000680 0.000325	37.067101 27.439621 20.387432 15.204563 11.382527 8.554143 6.453577 4.887846 3.716440 2.836755 2.173645 1.000204 0.777831 0.607015 0.475324 0.373427 0.794309 2.2665 0.146682 0.093484 0.060175 0.039088 0.025602 0.099175 0.003415 0.000515

TABLE 17 D. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 45$

				AL GEOMETRIC	FACTORS (cm²			
N	1	HILI 2	ET CHANNEL 3	4	1	LOL1 2	ET CHAMNEL 3	4
0.1	0.130942	0.922111	0.745441	14.615715	2.072820	9.639226	9.313774	147.287750
0.2	0.120270	0.797122	0.633820	11.923046	1.541601	7.091609	6.840321	107.385750
0.3 0.4	0.110745 0.102226	0.691546 0.602008	0.540356 0.461849	9.764544 8.025949	1.153385 0.868467	5.241262 3.892504	5.044930 3.737244	78.558273 57.671173
0.5	0.094592	0.525778	0.395705	6.619233	0.658404	2.905620	2.781318	42.491531
0.6	0.087738	0.460630	0.339811	5.476152	0.502775	2.180597	2.079867	31.424850
0.7 0.8	0.081571 0.076011	0.404750 0.356649	0.292448 0.252205	4.543572 3.779877	0.386878 0.300093	1. 6456 75 1.249232	1.563074 1.180726	23.330109 17.388912
0.9	0.070990	0.315102	0.217923	3.152296	0.234731	0.954029	0.896608	13.012953
1.0 1.1	0.066445 0.062324	0.279098 0.247799	0.188648 0.1635 9 0	2.634874 2.207000	0.185203 0.147433	0.733124 0.566962	0.684519 0.525450	9.778043 7.377687
1.2	0.058579	0.220508	0.142093	1.852175	0.118438	0.441308	0.405567	5.589766
1.3	0.055171	0.196643	0.123613	1.557172	0.096025	0.345760	0.314766	4.252783
1.4 1.5	0.052061 0.049220	0.175718 0.157320	0.107693 0.093954	1.311311 1.105953	0.078576 0. 064894	0.272689 0.216483	0.245641 0.192745	3.249040 2.492449
1.6	0.046620	0.141105	0.082075	0.934072	0.054085	0.172991	0.152056	1.919845
1.7 1.8	0.044234 0.042042	0.126779 0.114094	0.071787 0.062861	0.789937 0.668857	0.045481 0.038582	0.139135 0.112620	0.120593 0.096136	1.484726 1.152744
1.9	0.040024	0.102837	0.055107	0.566976	0.033007	0.091729	0.077025	0.898433
2.0	0.038163	0.092827	0.048360	0.481122	0.028468	0.075167	0.062014	0.702844
2.2 2.4	0.034854 0.032011	0.075947 0.062451	0.037352 0.028954	0.347450 0.251787	0.021671 0.016968	0.0513 64 0.035876	0.040761 0.027260	0.434777 0.272599
2.6	0.029553	0.051590	0.022517	0.183022	0.013626	0.025567	0.018521	0.173052
2.8 3.0	0.027415 0.025544	0.042796 0.035636	0.017563 0.013736	0.133399 0.097468	0.011188 0.009367	0.018558 0.013696	0.012764 0.008911	0.111110 0.072079
3.5	0.021775	0.022882	0.007508	0.044886	0.006447	0.006822	0.003807	0.025400
4.0	0.018949	0.014957	0.004156	0.020898	0.004794	0.003655	0.001720	0.009367
4.5 5.0	0.016770 0.015049	0.009922 0.006664	0.002325 0.001312	0.009816 0.004645	0.003770 0.003090	0.002072 0.001228	0.000812	0.003580 0.001408
6.0	0.012518	0.003097	0.000427	0.001059	0.002264	0.000475	0.000103	0.000233
7.0	0.010759	0.001485	0.000142	0.000246 0.000058	0.001792	0.000201	0.000029	0.000041
8.0 9.0	0.009470 0.008486	0.000729 0.000364	0.000048 0.000017	0.000038	0.001493 0.001290	0.000091 0.000042	0.000009	0.000008
10.0	0.007713	0.000185	0.000006	0.000003	0.001145	0.000021	0.000001	0.000000
		DOSE O	MIDIRECTION	AL GEOMETRIC	FACTORS (cm	MeV)		
	•	HII	LET CHANNEL	ault	iply by 10 ⁻³	FOFE.	r CHANNEL	•
N	1						T CHANNEL	4
0.1	1.427241	HII 2 2.504567	3.865755	mult 4 5.116326	iply by 10 ⁻³ 1 0.973649	LOLE 2 5.112983	3 5.122698	43.293152
0.1 0.2	1.427241 1.345276	HII 2 2.504567 2.218174	3.865755 3.348688	mult 4 5.116326 4.224220	iply by 10 ⁻³ 1 0.973649 0.749920	LOLE 2 5.112983 3.862426	3 5.122698 3.862599	43.293152 32.249874
0.1 0.2 0.3 0.4	1.427241 1.345276 1.270789 1.202950	2.504567 2.218174 1.970479 1.755432	3.865755 3.348688 2.907045 2.528773	mult 4 5.116326 4.224220 3.500364 2.910284	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623	LOLE 2 5.112983 3.862426 2.933564 2.240487	3 5.122698 3.862599 2.926960 2.229214	43.293152 32.249874 24.120043 18.113243
0.1 0.2 0.3 0.4 0.5	1.427241 1.345276 1.270789 1.202950 1.141029	2.504567 2.218174 1.970479 1.755432 1.568038	3.865755 3.348688 2.907045 2.528773 2.203919	5.116326 4.224220 3.500364 2.910284 2.427153	0.973649 0.749920 0.581747 0.454623 0.357967	5.112983 3.862426 2.933564 2.240487 1.720899	3 5.122698 3.862599 2.926960 2.229214 1.706530	43.293152 32.249874 24.120043 18.113243 13.658422
0.1 0.2 0.3 0.4	1.427241 1.345276 1.270789 1.202950	2.504567 2.218174 1.970479 1.755432	3.865755 3.348688 2.907045 2.528773	mult 4 5.116326 4.224220 3.500364 2.910284	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623	LOLE 2 5.112983 3.862426 2.933564 2.240487	3 5.122698 3.862599 2.926960 2.229214	43.293152 32.249874 24.120043 18.113243
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818	3.865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261	0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696	101E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285	0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.100432	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.900436 0.863030 0.828397	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047	3 .865755 3.148688 2.907045 2.528773 2.03919 1.924243 1.682878 1.474109 1.293149 1.35981 0.999215 0.879989	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.100432 0.083493	101.E ² 2 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.900436 0.863030 0.828397 0.796268	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251	3.865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.879989 0.775879	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225	0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.100432 0.083493 0.069934	101.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634688 0.502114 0.399422 0.319558 0.257108	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.906436 0.863030 0.828397 0.796268 0.766405 0.738601	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.879989 0.775879 0.664826 0.605073	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.083493 0.069934 0.059008	101.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189	3 5.122698 3.862599 2.926960 2.229214 1.706530 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 1.0 1.1 1.2 1.3 1.4	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.900436 0.863030 0.828397 0.766405 0.738601 0.712663	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.518594	3.865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.879999 0.775879 0.664826 0.605073 0.535118	5.116326 4.224220 3.500364 2.910284 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584	0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227135 0.183057 0.183057 0.121732 0.100432 0.083493 0.059008 0.0590146 0.042912	101.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.208006 0.208006 0.138337	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.155829 0.125870	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.29296 1.014309 0.798467
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.906436 0.863030 0.828397 0.796268 0.766405 0.738601	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.879989 0.775879 0.664826 0.605073	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.083493 0.069934 0.059008	101.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189	3 5.122698 3.862599 2.926960 2.229214 1.706530 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.963030 0.828397 0.796268 0.766405 0.738601 0.712663 0.688427 0.6655740 0.644470	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.518594 0.473354 0.432564 0.395723	3.865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.879989 0.775879 0.664826 0.605073 0.535118 0.473677 0.419646 0.372077	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236686	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.083493 0.069934 0.059008 0.050146 0.042912 0.036969 0.032057 0.032057	101.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.113685 0.093886 0.077902	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829 0.125870 0.02091 0.083131 0.067948	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.960436 0.863030 0.828397 0.796268 0.766405 0.738601 0.712663 0.688427 0.66574 0.6644470	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.473354 0.473354 0.432564 0.395723 0.362394	3.865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.879989 0.775879 0.684826 0.605073 0.535118 0.473677 0.419646 0.372077 0.330149	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236586	0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.100432 0.083493 0.069934 0.059008 0.050146 0.050146 0.050146 0.050146 0.050146 0.050146 0.032057 0.032057	101.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.113685 0.093886 0.077902 0.064935	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829 0.125870 0.102091 0.083131 0.067948 0.055739	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.29296 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.9909136 0.863030 0.828397 0.796268 0.766405 0.712663 0.688427 0.665740 0.624497 0.588015 0.555550	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.518594 0.473354 0.473354 0.395723 0.362394 0.304796 0.257249	3 .865755 3 .348688 2 .907045 2 .528773 2 .203919 1 .924243 1 .662878 1 .474109 1 .293149 1 .135981 0 .999215 0 .87989 0 .775879 0 .664826 0 .605073 0 .473677 0 .419645 0 .372077 0 .330149 0 .266484 0 .206048	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236686 0.202411 0.148396 0.109113	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.121732 0.100432 0.083493 0.069934 0.059008 0.050146 0.042912 0.036969 0.032057 0.024556 0.019250 0.015415	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.257108 0.257108 0.208006 0.169189 0.1138337 0.113685 0.077902 0.664935 0.045706 0.032697	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829 0.125870 0.102091 0.083131 0.067948 0.055739 0.026079	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.2	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.900436 0.863030 0.828397 0.796268 0.766405 0.738601 0.712663 0.688427 0.665740 0.624497 0.5555550 0.526498	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.518594 0.473354 0.432564 0.395723 0.362394 0.304796 0.257249 0.217801	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.879989 0.775879 0.654826 0.605073 0.535118 0.473677 0.419645 0.372077 0.330149 0.260484 0.260484 0.260484 0.260484	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236686 0.202411 0.148396 0.109113 0.080435	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.100432 0.083493 0.069934 0.059008 0.050146 0.042912 0.036969 0.032057 0.027972 0.024556 0.019250 0.0115486	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.115685 0.093886 0.077902 0.064935 0.045706 0.032697 0.023743	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.303583 0.241967 0.193747 0.155829 0.125870 0.02091 0.083131 0.067948 0.055739 0.026679 0.026679 0.018153	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280 0.085748
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 8 3.0	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.9909136 0.863030 0.828397 0.796268 0.766405 0.712663 0.688427 0.665740 0.624497 0.588015 0.555550	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.516894 0.473354 0.432564 0.395723 0.362394 0.304796 0.257249 0.217801 0.257249 0.217801 0.184923 0.157410	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.662878 1.474109 1.293149 1.135981 0.999215 0.87989 0.775879 0.684826 0.605073 0.535118 0.473677 0.419646 0.372077 0.320149 0.260484 0.266048 0.163365 0.129795 0.103320	5.116326 4.224220 3.500364 2.910284 2.910281 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.277014 0.236686 0.202411 0.188396 0.109113 0.080435 0.080435 0.059429 0.043997	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.45623 0.357967 0.284035 0.227132 0.183057 0.121732 0.100432 0.069934 0.059008 0.050146 0.042912 0.032057 0.027972 0.024556 0.019250 0.015415 0.012586 0.010459 0.008832	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.257108 0.257108 0.208006 0.169189 0.1138337 0.113685 0.077902 0.664935 0.045706 0.032697	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829 0.125870 0.102091 0.083131 0.067948 0.055739 0.026079	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.9 2.0 2.4 2.6 2.8 3.5	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.9909136 0.863030 0.828397 0.796268 0.766405 0.712663 0.688427 0.665740 0.624497 0.5855550 0.526498 0.50362 0.476734 0.426544	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.518594 0.473354 0.473354 0.473354 0.304796 0.257249 0.217801 0.184923 0.157410 0.106255	3 .865755 3 .348688 2 .907045 2 .528773 2 .2039 19 1 .924243 1 .662878 1 .474109 1 .293149 1 .135981 0 .9799215 0 .879899 0 .775879 0 .684826 0 .605073 0 .535118 0 .473677 0 .419645 0 .372077 0 .30149 0 .260484 0 .163365 0 .103320 0 .058836	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.225686 0.277014 0.236686 0.202411 0.148396 0.109113 0.080435 0.059429 0.043997 0.020905	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.121732 0.100432 0.083493 0.069934 0.05908 0.050146 0.042912 0.036969 0.032057 0.024556 0.019250 0.015415 0.012586 0.010459 0.008832 0.006147	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.502114 0.399422 0.31952 0.257108 0.257108 0.257108 0.159189 0.138137 0.113805 0.093886 0.077902 0.664935 0.045706 0.032697 0.023743 0.017481 0.013035 0.006576	3 5.122698 3.862599 2.926960 2.229214 1.706536 0.789744 0.617193 0.484796 0.382700 0.303583 0.244967 0.193747 0.155829 0.125870 0.102091 0.083131 0.067948 0.055739 0.026079 0.018153 0.012765 0.009059 0.003981	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280 0.085748 0.056471 0.037468 0.037468
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.8 3.0 3.0 3.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 4.0 3.0 3.0 3.0 4.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.900436 0.863030 0.828397 0.796268 0.766405 0.738601 0.712663 0.688427 0.665740 0.624497 0.555555 0.555555 0.556498 0.500362 0.476734 0.426544 0.386095	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.404165 1.260383 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.518594 0.473354 0.432564 0.395723 0.364394 0.395723 0.364394 0.277249 0.217801 0.184923 0.157410 0.184923 0.157410	3.865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.682878 1.474109 1.293149 1.135981 0.999215 0.8799989 0.775879 0.664826 0.605073 0.473677 0.419645 0.372077 0.330149 0.260484 0.260484 0.260484 0.260484 0.360365 0.372077 0.330149 0.260484 0.36038836 0.129795 0.103320 0.058836 0.033799	5.116326 4.224220 3.500364 2.910284 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236686 0.202411 0.148396 0.109113 0.080435 0.043997 0.043997 0.043997	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.100432 0.083493 0.059048 0.050146 0.050146 0.050146 0.042912 0.036969 0.032057 0.024556 0.019250 0.014592 0.0088393	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.113685 0.093886 0.077902 0.064935 0.045706 0.032697 0.023743 0.017481 0.013035 0.006576 0.003526	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829 0.125870 0.102091 0.083131 0.067948 0.055739 0.026079 0.018153 0.012765 0.009059 0.003981 0.001825	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280 0.085748 0.056471 0.037468 0.013815 0.005263
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 7 1.8 2.0 2.4 2.6 3.5 4.0 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.863030 0.828397 0.7966405 0.738601 0.712663 0.712663 0.688427 0.665740 0.644470 0.624497 0.555550 0.526498 0.506562 0.476734 0.426544 0.386095 0.352785	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.516894 0.473354 0.432564 0.395723 0.365994 0.257249 0.257249 0.217801 0.184923 0.106255 0.072562 0.072562 0.072562	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.662878 1.474109 1.293149 1.135981 0.999215 0.87989 0.775879 0.684826 0.605073 0.35718 0.473677 0.419646 0.372077 0.32079 0.260484 0.260484 0.260484 0.163365 0.129795 0.103320 0.058836 0.033799 0.019556 0.011383	801t 4 5.116326 4.224220 3.500364 2.910284 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236686 0.202411 0.148396 0.109113 0.080435 0.059429 0.043997 0.020905 0.010021 0.004838 0.002349	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.45623 0.357967 0.284035 0.227132 0.183057 0.121732 0.100432 0.084934 0.059008 0.050146 0.042912 0.036969 0.032057 0.027972 0.024556 0.019250 0.015415 0.012580 0.015459 0.010459 0.002832 0.006147 0.004582	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.13885 0.093886 0.077902 0.064935 0.045706 0.032697 0.023743 0.017481 0.013035 0.006576 0.003526 0.0015989 0.001170	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829 0.125870 0.0003131 0.067948 0.057890 0.026079 0.018153 0.012765 0.012765 0.003981 0.001825 0.000826 0.000826	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280 0.085748 0.056471 0.037468 0.013815 0.0052058 0.000822
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 1.7 1.9 2.0 2.4 2.8 3.5 4.0 4.5 0.0	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.900436 0.863030 0.828397 0.796268 0.738601 0.712663 0.688427 0.665740 0.624497 0.5855550 0.526498 0.500362 0.476734 0.386095 0.352785 0.324854 0.280556	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.518594 0.473354 0.473354 0.473354 0.304796 0.257249 0.217801 0.184923 0.157410 0.106255 0.072562 0.050023 0.034755 0.017093	3 .865755 3 .348688 2 .907045 2 .528773 2 .2039 19 1 .924243 1 .662878 1 .474109 1 .293149 1 .135981 0 .9799215 0 .87989 0 .775879 0 .684826 0 .605073 0 .3730149 0 .260484 0 .163365 0 .1033207 0 .206048 0 .163365 0 .103320 0 .0058836 0 .033799 0 .0115363 0 .003914	5.116326 4.224220 3.500364 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236586 0.207411 0.148396 0.109113 0.080435 0.059429 0.043997 0.020905 0.010021 0.004839 0.002349 0.002349	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.121732 0.100432 0.083493 0.069934 0.059008 0.050146 0.042912 0.036969 0.032057 0.024556 0.019250 0.015415 0.012586 0.019250 0.015415 0.012586 0.019250 0.015415 0.012586 0.019250 0.015415 0.012586 0.019250 0.015415 0.012586 0.019250 0.01647 0.004588 0.003612	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.113685 0.077902 0.664935 0.045706 0.032697 0.023743 0.017481 0.013035 0.006576 0.003526 0.001989 0.001170 0.000446	3 5.122698 3.862599 2.926960 2.229214 1.706536 0.789744 0.617193 0.484796 0.382700 0.303583 0.444796 0.125870 0.125870 0.125870 0.102091 0.083131 0.067948 0.057399 0.026079 0.012765 0.0026079 0.018153 0.012765 0.003981 0.001825 0.000866 0.000423 0.000109	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280 0.085748 0.056471 0.037468 0.013815 0.002028 0.000822 0.000138
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 7 1.8 2.0 2.4 2.6 3.5 4.0 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.863030 0.828397 0.7966405 0.738601 0.712663 0.712663 0.688427 0.665740 0.644470 0.624497 0.555550 0.526498 0.506562 0.476734 0.426544 0.386095 0.352785	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.516894 0.473354 0.432564 0.395723 0.365994 0.257249 0.257249 0.217801 0.184923 0.106255 0.072562 0.072562 0.072562	3 .865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.662878 1.474109 1.293149 1.135981 0.999215 0.87989 0.775879 0.684826 0.605073 0.35718 0.473677 0.419646 0.372077 0.32079 0.260484 0.260484 0.260484 0.163365 0.129795 0.103320 0.058836 0.033799 0.019556 0.011383	801t 4 5.116326 4.224220 3.500364 2.910284 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236686 0.202411 0.148396 0.109113 0.080435 0.059429 0.043997 0.020905 0.010021 0.004838 0.002349	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.45623 0.357967 0.284035 0.227132 0.183057 0.121732 0.100432 0.084934 0.059008 0.050146 0.042912 0.036969 0.032057 0.027972 0.024556 0.019250 0.015415 0.012580 0.015459 0.010459 0.002832 0.006147 0.004582	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.13885 0.093886 0.077902 0.064935 0.045706 0.032697 0.023743 0.017481 0.013035 0.006576 0.003526 0.0015989 0.001170	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.382700 0.303583 0.241967 0.193747 0.155829 0.125870 0.0003131 0.067948 0.057890 0.026079 0.018153 0.012765 0.012765 0.003981 0.001825 0.000826 0.000826	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202838 0.131280 0.085748 0.056471 0.037468 0.013815 0.0052058 0.000822
0.1 0.2 0.4 0.5 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.4 2.8 3.0 5.0 6.0 7.0	1.427241 1.345276 1.270789 1.202950 1.141029 1.084394 1.032480 0.984799 0.940912 0.900436 0.863030 0.828397 0.796268 0.766405 0.738601 0.712663 0.688427 0.665740 0.524497 0.588015 0.555550 0.526498 0.500362 0.476734 0.426544 0.386095 0.324854 0.280556 0.246907	2.504567 2.218174 1.970479 1.755432 1.568038 1.404165 1.260383 1.133818 1.022069 0.923119 0.835261 0.757047 0.687251 0.624822 0.568861 0.473354 0.473354 0.473354 0.47354 0.395723 0.362394 0.304796 0.257249 0.217801 0.184923 0.157410 0.184923 0.157410 0.102555 0.072562 0.050023 0.034756	3.865755 3.348688 2.907045 2.528773 2.203919 1.924243 1.662878 1.474109 1.293149 1.135981 0.999215 0.8799989 0.775879 0.684826 0.6535118 0.473677 0.419646 0.372077 0.330149 0.260484 0.206365 0.129795 0.103320 0.053379 0.013566 0.013379 0.01366	5.116326 4.224220 3.500364 2.910284 2.910284 2.427153 2.029974 1.702211 1.430778 1.205261 1.017329 0.860285 0.728713 0.618225 0.525239 0.446827 0.380584 0.324526 0.277014 0.236686 0.202411 0.148396 0.109113 0.080435 0.059429 0.043997 0.009388 0.002349 0.0002349 0.000562 0.000136	101y by 10 ⁻³ 1 0.973649 0.749920 0.581747 0.454623 0.357967 0.284035 0.227132 0.183057 0.148696 0.121732 0.100432 0.083493 0.069934 0.059008 0.050146 0.010458 0.010458	1.01.E ² 5.112983 3.862426 2.933564 2.240487 1.720899 1.329457 1.033069 0.807487 0.634888 0.502114 0.399422 0.319558 0.257108 0.208006 0.169189 0.138337 0.113685 0.093886 0.077902 0.064935 0.045706 0.032697 0.023743 0.017481 0.013035 0.006576 0.003526 0.001899 0.001170 0.000446 0.000187	3 5.122698 3.862599 2.926960 2.229214 1.706530 1.313169 1.015736 0.789744 0.617193 0.484796 0.303583 0.241967 0.193747 0.193747 0.155829 0.125870 0.02091 0.033131 0.067948 0.055739 0.026079 0.018153 0.012765 0.009059 0.001825 0.000423 0.0001825	43.293152 32.249874 24.120043 18.113243 13.658422 10.341961 7.863311 6.003460 4.602348 3.542546 2.737680 2.123952 1.654102 1.292966 1.014309 0.798467 0.630656 0.499710 0.397168 0.316595 0.202818 0.316595 0.202818 0.3131280 0.085748 0.056471 0.037468 0.013815 0.005263 0.000258

TABLE 17 E. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 60$

			INIDIRECTION	AL GEOMETRIC	FACTORS (cm²		ET CHANNEL	
Ħ	1	2	3	4	1	2	3	4
0.1	0.130653	0.890070	0.706215	13.342063	2.200428	10.834165	10.504452	174.903809
0.2	0.120486	0.775250 0.677540	0.604226	10.969614	1.636911	7.980569	7.723452 5.703314	127.747192 93.635124
0.3 0.4	0.111372 0.103187	0.67/340	0.518290 0.445651	9.052798 7.496681	1.225034 0.922697	5.906218 4.392752	4.230682	68.884308
0.5	0.095821	0.522434	0.384065	6.227721	0.699743	3.284191	3.153171	50.869061
0.6 0.7	0.089180 0.083181	0.460773 0.407492	0.331700 0.287052	5.188591 4.334353	0.534521 0.411440	2.468827 1.866486	2.361668 1.777860	37.712814 28.072062
8.0	0.077750	0.361292	0.248884	3.629578	0.319244	1.419456	1.345386	20.982073
0.9 1.0	0.072826 0.068351	0.321101 0.2 860 27	0.216176 0.188079	3.046181 2.561774	0.249780 0.197120	1.086083 0.836211	1.023576 0.782993	15.748647 11.870902
1.1	0.064278	0.255328	0.163891	2.158423	0.156942	0.647939	0.602265	8,986408
1.2 1.3	0.060564 0.057170	0.228382 0.204666	0.143024 0.124987	1.821693 1.539914	0.126082 0.102215	0.505306 0.396640	0.465826 0.362298	6.832146 5.21 66 81
1.4	0.054063	0.183739	0.109366	1.303600	0.083624	0.313374	0.283336	4.000247
1.5 1.6	0.051215 0.048598	0.165230 0.148822	0.095814	1.105013 0.937826	0.069037 0.057508	0.249197 0.199435	0.222792 0.176127	3.080461 2.382064
1.7	0.046190	0.134244	0.073790	0.796834	0.048326	0.160620	0.139967	1.849539
1.8 1.9	0.043971 0.041921	0.121267 0.109691	0.064858 0.057061	0.677746 0.577014	0.040959 0.035005	0.130159 0.106111	0.111799 0.089741	1.441802
2.0	0.040026	0.099347	0.050248	0.491697	0.030155	0.087012	0.072379	0.886313
2.2 2.4	0.036642 0.033720	0.081784 0.067622	0.039064 0.030463	0.357919 0.261301	0.022890 0.017 864	0.059492 0.041532	0.047724 0.031998	0.552793 0.349420
2.6	0.031182	0.056135	0.023822	0.191256	0.014293	0.029552	0.021781	0.223585
2.8 3.0	0.028965 0.027018	0.046769 0.039095	0.018676 0.014676	0,140306 0,103138	0.011691 0.009752	0.021395 0.015736	0.015030 0.010499	0.144659 0.094533
3.5	0.023074	0.025301	0.008104	0.048149	0.006653	0.007747	0.004480	0.033871
4.0 4.5	0.020099 0.017796	0.016634 0.011082	0.004524 0.002548	0.022681 0.010763	0.004912 0.003843	0.004092 0.002286	0.002015	0.012667 0.004896
5.0	0.015971	0.007456	0.001446	0.005138	0.003139	0.001336	0.000457	0.001942
6.0 7.0	0.013282	0.003484 0.001674	0.000475 0.000159	0.001189 0.000279	0.002292 0.001814	0.000506 0.000211	0.000116	0.000324
8.0	0.011410 0.010037	0.001874	0.000139	0.000279	0.001512	0.000211	0.000009	110000.0
9.0	0.008990	0.000411	0.000019	0.000016 0.000004	0.001308	0.000044 0.000021	0.000003	0.000002
10.0	0.008167	0.000209	0.000007	0.000004	0.001163	9.000021	0.000001	0.00000
					FACTORS (cm	*	T CHANNEL	
N	1		MNIDIRECTION LET CHANNEL 3		: FACTORS (cm iply by 10 ⁻³ I	*	T CHAMMEL	4
N 0.1	1 1.411100	HIN	LET CHANNEL	mult	iply by 10 ⁻³	LOLE		4 47.826527
0.1 0.2	1.411100 1.333759	411 2 2.385482 2.124047	3.616525 3.146263	mult 4 4.590785 3.812485	iply by 10 ⁻³ 1 1.011627 0.780770	10LE 2 5.469662 4.150259	3 5.458701 4.133878	47.826527 35.781387
0.1	1.411100	HII 2 2.385482	3.616525	mult 4 4.590785	iply by 10 ⁻³ 1 1.011627	LOLE 2 5.469662	3 5.458701	47.826527
0.1 0.2 0.3 0.4 0.5	1.411100 1.333759 1.263236 1.198798 1.139795	2 . 385482 2 . 124047 1 . 896607 1 . 697996 1 . 523935	3.616525 3.146263 2.742698 2.395433 2.095843	#ult 4 4.590785 3.812485 3.177124 2.656062 2.226899	1.011627 0.780770 0.606984 0.475408 0.375195	5.469662 4.150259 3.166943 2.430574 1.876380	3 5.458701 4.133878 3.146870 2.408159 1.852663	47.826527 35.781387 26.884296 20.286827 15.375125
0.1 0.2 0.3 0.4	1.411100 1.333759 1.263236 1.198798	HII 2 2.385482 2.124047 1.896607 1.697996	3.616525 3.146263 2.742698 2.395433	mult 4 4.590785 3.812485 3.177124 2.656062	1.011627 0.780770 0.606984 0.475408	5.469662 4.150259 3.166943 2.430574	3 5.458701 4.133878 3.146870 2.408159	47.826527 35.781387 26.884296 20.286827
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021	2.385482 2.124047 1.696607 1.697996 1.523935 1.370867 1.235826 1.116319	3.616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118	mult 4 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231	1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257	3.616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333	#u1t 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355	1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931	mult 4 .590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580	1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707249 0.449618	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.540391 0.426888	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 3.189093
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868	3 .616525 3.146263 2.742698 2.395433 1.836758 1.612186 1.417118 1.247333 1.099273	##1 4 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727	iply by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.540391	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.688817 0.628164	3 .616525 3.166263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.965931 0.856751 0.757561 0.670502	Mult 4 .590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.995727 0.811580 0.690221 0.587828 0.501265	iply by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.0774506 0.062945	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.544391 0.426888 0.342045 0.220574	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.688817 0.628164 0.573569	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931 0.856751 0.670502 0.593988	mult 4 .590785 3.812485 3.177124 2.655062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950	1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.76137 0.562249 0.449618 0.361569 0.292354 0.237645 0.194165	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.540391 0.426888 0.342041 0.274057 0.178298	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.725339 0.725339	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.753634 0.688817 0.628164 0.573569 0.524335 0.479855	3 .616525 3.146263 2.742698 2.395433 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931 0.856751 0.757561 0.670502 0.593988 0.526653 0.467328	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.365750 0.365750	1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546 0.045855 0.039522	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645 0.159427 0.131527	3 5.4\$8701 4.133878 3.146870 2.408159 1.852693 1.432913 1.114159 0.870884 0.684271 0.540391 0.426888 0.342041 0.2720574 0.178298 0.178290 0.178290 0.178290	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.9947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.7750810 0.725339 0.701484 0.679108	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.688817 0.628164 0.573569 0.524335 0.479855 0.439605	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931 0.856751 0.670502 0.593988 0.526653 0.467328 0.414996	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.365750 0.312901 0.267934	iply by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.0774506 0.062945 0.053546 0.045855 0.039522 0.034276	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.292354 0.292354 0.2913547 0.191527 0.191527	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684291 0.540391 0.42888 0.342041 0.178298 0.178298 0.144720 0.117930 0.096461	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.7550810 0.725339 0.701484 0.655088 0.658088	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.688817 0.628164 0.57369 0.57369 0.479855 0.499655 0.403123 0.370010	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.966931 0.856751 0.757561 0.670502 0.593988 0.457328 0.44996 0.368788 0.327944	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.312901 0.267934 0.229623 0.196945	1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546 0.045855 0.039522 0.034276 0.026242	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645 0.159427 0.131527 0.109006 0.090738 0.075848	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.426888 0.342041 0.274057 0.220574 0.179298 0.144720 0.117930 0.096461 0.079182 0.065218	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.10177 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.7750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.602090	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.73569 0.573569 0.573569 0.573569 0.573569 0.479855 0.499605 0.403123 0.370010 0.312519	3 .616525 3.146263 2.742698 2.395433 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931 0.856751 0.757561 0.670502 0.593988 0.526653 0.467328 0.414996 0.368788 0.327944 0.259810	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.365750 0.312901 0.267934 0.229623 0.196945 0.145187	101y by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.0774506 0.062945 0.053546 0.062945 0.053546 0.045855 0.039522 0.034276 0.02905	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645 0.159427 0.131527 0.109006 0.090738 0.053629	3 5.458701 4.133878 3.146870 2.408159 1.852913 1.114159 0.870884 0.340841 0.540391 0.426888 0.342041 0.274057 0.178298 0.144720 0.144720 0.144720 0.19182 0.096461 0.0968218 0.04663	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.2	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.6602090 0.540723	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.756334 0.688817 0.628164 0.573569 0.524335 0.479855 0.439605 0.403123 0.370010 0.312519 0.264783 0.224967	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 0.969931 0.856751 0.757561 0.757561 0.670502 0.593988 0.526653 0.444996 0.368788 0.327944 0.296299 0.164144	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.365750 0.312901 0.267934 0.229623 0.196945 0.145187 0.107303 0.079480	101y by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546 0.045855 0.039522 0.039522 0.034276 0.029905 0.026242 0.020541 0.016410	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.49618 0.361569 0.292354 0.237645 0.194165 0.159427 0.131527 0.109006 0.090738 0.075848 0.053629 0.037848	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.540391 0.426888 0.342041 0.274057 0.178298 0.144720 0.117930 0.096461 0.079182 0.065218 0.044663 0.030940 0.021655	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165390 0.109199
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 6.2 8.8	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.7550810 0.725339 0.701484 0.659088 0.658088 0.658088 0.658088 0.658088	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.688817 0.628164 0.575639 0.479855 0.403123 0.403123 0.403123 0.370010 0.312519 0.264783 0.264783 0.264783	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.417133 1.099273 0.969931 0.856751 0.757561 0.670502 0.593685 0.467328 0.414996 0.327944 0.259810 0.006299 0.164144 0.130844	##14 4.590785 3.812485 3.177124 2.65062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.699221 0.587828 0.501265 0.427950 0.365750 0.312901 0.267934 0.229623 0.196945 0.145187 0.107303 0.079480 0.058986	101y by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546 0.045855 0.039522 0.034276 0.0296242 0.020541 0.016410 0.013357	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.562249 0.449618 0.361569 0.292354 0.237645 0.159427 0.131527 0.109006 0.0075848 0.053629 0.038480 0.027985 0.020605	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.426888 0.342041 0.274057 0.220574 0.179298 0.144720 0.117930 0.096461 0.079182 0.065218 0.030940 0.021655 0.015297	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165399 0.109199 0.072659
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.6602090 0.540723	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.628164 0.573569 0.524335 0.479855 0.439605 0.403123 0.370010 0.312519 0.264783 0.224967 0.191622 0.191622 0.163593 0.111134	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 0.969931 0.856751 0.757561 0.757561 0.670502 0.593988 0.526653 0.444996 0.368788 0.327944 0.296299 0.164144	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.365750 0.312901 0.267934 0.229623 0.196945 0.145187 0.107303 0.079480	101y by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546 0.045855 0.039522 0.039522 0.034276 0.029905 0.026242 0.020541 0.016410	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.49618 0.361569 0.292354 0.237645 0.194165 0.159427 0.131527 0.109006 0.090738 0.075848 0.053629 0.037848	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.540391 0.426888 0.342041 0.274057 0.178298 0.144720 0.117930 0.096461 0.079182 0.065218 0.044663 0.030940 0.021655	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165390 0.109199
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 3.5 3.5 4.0	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.602090 0.540723 0.514538 0.440220 0.399276	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.628164 0.573569 0.524335 0.479855 0.49965 0.403123 0.370010 0.312519 0.224967 0.191622 0.163593 0.111134 0.76295	3 .616525 3.166263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931 0.856751 0.757561 0.670502 0.593988 0.526653 0.467328 0.327944 0.259819 0.266299 0.164144 0.130844 0.130844 0.130844	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.312901 0.267934 0.229623 0.145187 0.107303 0.079480 0.058986 0.043852 0.02033	101y by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546 0.045855 0.039522 0.034276 0.029905 0.026242 0.020541 0.016410 0.013357 0.011061 0.009304 0.006412 0.004744	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.297645 0.159427 0.131527 0.109006 0.990738 0.075848 0.027985 0.027985 0.027985 0.027662 0.015346	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.24057 0.124057 0.178298 0.144720 0.117930 0.096461 0.079182 0.065218 0.044663 0.039940 0.021655 0.0168297 0.010896 0.004814 0.002208	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165390 0.109199 0.072659 0.048681 0.018351 0.007127
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.5	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.9947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.602090 0.569750 0.540723 0.514538 0.490808	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.628164 0.573569 0.524335 0.479855 0.439605 0.403123 0.370010 0.312519 0.264783 0.224967 0.191622 0.191622 0.163593 0.111134	3 .616525 3.166263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931 0.856751 0.670502 0.593988 0.52653 0.467328 0.414996 0.368788 0.327944 0.259810 0.206299 0.164144 0.104475 0.059900	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.312901 0.267934 0.229623 0.1969480 0.058986 0.043852 0.043852 0.021033	iply by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.0774506 0.062945 0.053546 0.045855 0.039522 0.034276 0.029905 0.026242 0.020541 0.016410 0.013357 0.011061 0.009304 0.006412	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645 0.194165 0.159427 0.131527 0.109006 0.090738 0.075848 0.027985 0.027985 0.027682	3 5.458701 4.133878 3.146870 2.408159 1.852913 1.114159 0.870884 0.684271 0.540391 0.426888 0.342041 0.274057 0.220574 0.178298 0.144720 0.178298 0.144720 0.079182 0.096461 0.079182 0.065218 0.044663 0.030940 0.021655 0.015297 0.016896	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165390 0.109199 0.072659 0.072659
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.5 1.6 1.7 2.0 2.2 2.4 4.5 3.5 4.0 4.5 6.0	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.9947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.602090 0.560750 0.540723 0.514538 0.490808 0.440220 0.399276 0.365447 0.337006 0.291764	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.628164 0.573569 0.524335 0.479855 0.439605 0.403123 0.370010 0.312519 0.264783 0.224967 0.191622 0.163593 0.111134 0.076295 0.036844 0.018232	3 .616525 3.166263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.969931 0.856751 0.670502 0.593988 0.52650 0.467328 0.414996 0.368788 0.327944 0.296299 0.164144 0.104475 0.059900 0.034610 0.020125 0.011765 0.004074	##14 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.312901 0.267934 0.229623 0.196945 0.145187 0.107303 0.079480 0.058986 0.043852 0.021033 0.010164 0.004942 0.002414 0.000583	iply by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.0774506 0.062945 0.053546 0.062945 0.053546 0.045855 0.039522 0.034276 0.029905 0.026242 0.020541 0.016410 0.013357 0.011061 0.003709 0.003026 0.003026	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645 0.194165 0.159427 0.131527 0.109006 0.090738 0.075848 0.027985 0.027985 0.02605 0.015346 0.007682 0.004067 0.002258	3 5.458701 4.133878 3.146870 2.408159 1.832913 1.114159 0.870884 0.684271 0.540391 0.426888 0.342041 0.274057 0.220574 0.178298 0.144720 0.178298 0.144720 0.079182 0.096461 0.079182 0.065218 0.044663 0.030940 0.021655 0.016297 0.010896 0.001045 0.0001048	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165390 0.109199 0.072659 0.048681 0.048351 0.007127 0.002833 0.007127
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 2.0 2.2 2.4 2.6 3.5 4.5 5.0	1.411100 1.333759 1.263236 1.198798 1.133795 1.085656 1.035879 0.990021 0.9947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.602090 0.569750 0.540723 0.514538 0.490808 0.440220 0.399276 0.3365447 0.337006	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.735634 0.573563 0.479855 0.479855 0.43123 0.370010 0.312519 0.264783 0.224967 0.191622 0.191622 0.191622 0.163593 0.111134 0.076295 0.052830 0.036844	3 .616525 3.146263 2.742698 2.395433 1.836758 1.612186 1.417118 1.247333 1.099273 0.965931 0.856751 0.757561 0.670502 0.5326653 0.467328 0.414996 0.368788 0.3267944 0.259810 0.206299 0.164144 0.130844 0.104475 0.059900	##14 4.590785 3.812485 3.177124 2.6566062 2.2266899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.690221 0.587828 0.501265 0.427950 0.365750 0.312901 0.267934 0.22963 0.196945 0.145187 0.107303 0.079480 0.068986 0.043852 0.021033 0.010164 0.004942 0.002414	1ply by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.0774506 0.062945 0.053546 0.062945 0.053546 0.045855 0.039522 0.034276 0.029054 0.016410 0.013357 0.011061 0.009304 0.004744 0.003709 0.003026	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645 0.194165 0.159427 0.131527 9.109006 0.090738 0.053629 0.038480 0.027985 0.02605 0.015346 0.007682 0.004067	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684291 0.540391 0.42888 0.324057 0.274057 0.178298 0.144720 0.117930 0.096461 0.079182 0.065218 0.030940 0.021655 0.015297 0.10896 0.001045 0.001045 0.001045	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165390 0.109199 0.072659 0.048681 0.048351 0.007127 0.002833 0.001148
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.8 3.0 5.0 6.0 7.0	1.411100 1.333759 1.263236 1.198798 1.139795 1.085656 1.035879 0.990021 0.947690 0.908536 0.872256 0.838573 0.807244 0.778056 0.750810 0.725339 0.701484 0.679108 0.658088 0.638311 0.602090 0.5659750 0.540723 0.514538 0.490808 0.440220 0.399276 0.3365447 0.337006 0.291764 0.257286	2.385482 2.124047 1.896607 1.697996 1.523935 1.370867 1.235826 1.116319 1.010257 0.915868 0.831654 0.756334 0.688817 0.628164 0.575639 0.479855 0.479855 0.439605 0.312519 0.224967 0.312519 0.224967 0.163593 0.111134 0.076295 0.052830 0.036844 0.018232 0.009184	3 .616525 3.146263 2.742698 2.395433 2.095843 1.836758 1.612186 1.417118 1.247333 1.099273 0.656751 0.757561 0.670502 0.5936653 0.457328 0.44996 0.368788 0.327944 0.259810 0.206299 0.164144 0.104475 0.05990 0.094610 0.020125 0.011765	## 4 4.590785 3.812485 3.177124 2.656062 2.226899 1.872023 1.577496 1.332231 1.127355 0.955727 0.811580 0.501265 0.427950 0.365750 0.312901 0.267934 0.229623 0.196945 0.145187 0.107303 0.079480 0.058986 0.043852 0.021033 0.010164 0.004942 0.002414 0.000583	1p1y by 10 ⁻³ 1 1.011627 0.780770 0.606984 0.475408 0.375195 0.298398 0.239171 0.193198 0.157278 0.129024 0.106652 0.088818 0.074506 0.062945 0.053546 0.045855 0.039522 0.034276 0.02995 0.026242 0.020541 0.016410 0.013357 0.011061 0.009304 0.004744 0.003709 0.003751	5.469662 4.150259 3.166943 2.430574 1.876380 1.457141 1.138319 0.894547 0.707134 0.562249 0.449618 0.361569 0.292354 0.237645 0.151465 0.159427 0.131527 0.109006 0.0075848 0.053629 0.038480 0.027985 0.020605 0.015346 0.007682 0.004667 0.002258 0.001307 0.000199	3 5.458701 4.133878 3.146870 2.408159 1.852663 1.432913 1.114159 0.870884 0.684271 0.274057 0.220574 0.178298 0.144720 0.117930 0.096461 0.079182 0.065218 0.044663 0.030940 0.021655 0.016297 0.010896 0.0010845 0.002208 0.001045 0.000507	47.826527 35.781387 26.884296 20.286827 15.375125 11.703461 8.947392 6.869905 5.297274 4.101771 3.189093 2.489388 1.950730 1.534350 1.211191 0.959402 0.762469 0.607873 0.486079 0.389798 0.252678 0.165390 0.109199 0.072659 0.048681 0.048681 0.04833 0.007127 0.002833 0.001148 0.000197

TABLE 17 F. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 75$

				AL GEOMETRIC	FACTORS (cm²			
N	1	NIL.	ET CHANNEL 3	4	1	LOL 2	ET CHANNEL 3	4
0.1 0.2	0.131860 0.121913	0.875035 0.765226	0.686223 0.589173	12.609447 10.404710	2.305950 1.715267	11.678792 8.608040	11.362877 8.359537	192.842331 140.985260
0.3	0.112972	0.671439	0.507114	8.617283	1.283566	6.374973	6.177076	103.447639
0.4	0.104920 0.097654	0.591001	0.437509 0.378290	7.161193 5.969647	0.966693 0.733029	4.744986 3.550462	4.585459 3.420332	76.191544 56.336521
0.5 0.6	0.097034	0,521740 0,461875	0.376290	4.990479	0.559874	2.671375	2.564010	41.823772
0.7	0.085135	0.409945	0.284533	4.182703	0.430884	2.021544	1.932013	31.178331
0.8 0.9	0.079735 0.074825	0.364742 0.325265	0.247452 0.215568	3.513952 2.958465	0.334262 0.261460	1.538927 1.178732	1.463524	23.340979 17.549078
1.0	0.070352	0.290683	0.188089	2.495665	0.206267	0.908524	0.853642	13.252012
1.1 1.2	0.066270 0.062538	0.260300 0.233531	0.164356 0.143817	2.109016 1.785174	0.164154 0.131806	0.704740 0.550201	0.657389 0.509089	10.051126 7.657009
1.3	0.059120	0.209884	0.126008	1.513309	0.106787	0.432342	0.396447	5.658813
1.4	0.055983	0.188946	0.110538	1.284592	0.087297	0.341931	0.310440	4.\$02484 3.475070
1.5 1.6	0.053101 0.050447	0.170362 0.153831	0.097078 0.085348	1.091803 0.929014	0.072005 0.059 9 17	0.272166 0.218010	0.244421 0.193474	2.693470
1.7	0.047999	0.139096	0.075111	0.791328	0.050292	0.175715	0.153948	2.096321
1.8 1.9	0.045739 0.043647	0.125938 0.114165	0.066164 0.058335	0.674796 0.575787	0.042569 0.036327	0.142485 0.116220	0.123119 0.098947	1.638156 1.285145
2.0	0.041709	0.103613	0.051475	0.491779	0.031245	0.095336	0.079896	1.012025
2.2 2.4	0.038238 0.035232	0.085625 0.071043	0.040174 0.031442	0.359559 0.263593	0.023635 0.018375	0.065199 0.045495	0.052792 0.035460	0.634379 0.403010
2.6	0.032612	0.059159	0.031442	0.193694	0.014643	0.032333	0.033460	0.259158
2.8	0.030317	0.049427	0.019403	0.142625	0.011928	0.023364	0 016699	0.168489
3.0 3.5	0.028296 0.024188	0.041421 0.026945	0.015291 0.008499	0.105214 0.049515	0.009910 0.006699	0.017139 0.008363	0.021673 0.004981	0.110624 0.040072
4.0	0.021078	0.017784	0.004770	0.023491	0.004910	0.004367	0.002235	0.015131
4.5 5.0	0.018662 0.016745	0.011882 0.008023	0.002699 0.001538	0.0/1217 0.005385	0.003822 0.003112	0.002409 0.001391	0.001043	0.00 58 97 0.002356
6.0	0.013917	0.003754	0.001538	0.001258	0.002266	0.000515	0.000126	0.000398
7.0	0.011946	0.001806	0.000171	0.300298	0.001794	0.000212	0.000034	0.000071
8.0 9.0	0.010502 0.009401	0.000888 0.000444	0.000058 0.000020	0,000071 0,000017	0.001498 0.001299	0.000043	0.000010 0.000003	0.000013
10.0	0.008535	0.000225	0.000007	0.000034	6.001157	0.000021	0.000001	0.00001
		DOSE D	MNIDIRECTION	IAL GEOMETRIC	FACTORS (cm	HeV)		
	•	HI	LET CHANNEL	mult	iply by 10^{-3}	LOLE	T CHANNEL	4
N	1			IAL GEOMETRIC Mult 4	FACTORS (cm iply by 10 ⁻³ 1	-	T CHANNEL 3	4
0.1	1.415082	HI (2 2.326080	3.487127	mult 4 4,303956	iply by 10 ⁻³ 1 1.046692	LOLE 2 5.713156	3 5.695379	50.374062
		NI(2	LET CHANNEL 3	mult 4	iply by 10^{-3}	LOLE 2 5.713156 4.346672	3	
0.1 0.2 0.3 0.4	1.415082 1.339895 1.271194 1.208285	NI6 2 2.326080 2.076783 1.859309 1.668873	3.487127 3.040868 2.656907 2.325671	4.303956 3.583215 2.993410 2.508513	1.046692 0.808829 0.629603 0.493771	5.713156 4.346672 3.326258 2.560478	5.695379 4.324356 3.300910 2.533299	50.374062 37.779919 28.460070 21.535381
0.1 0.2 0.3 0.4 0.5	1.415082 1.339895 1.271194 1.208285 1.150562	2 2 . 326080 2 . 076783 1 . 859309 1 . 668873 1 . 501511	3.487127 3.040868 2.656907 2.325671 2.039192	4.303956 3.583215 2.993410 2.508513 2.108156	1.046692 0.808829 0.629603 0.493771 0.390201	5.713156 4.346672 3.326258 2.560478 1.982824	5.695379 4.324356 3.300910 2.533299 1.954765	50.374062 37.779919 28.460070 21.535381 16.368942
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597	NII 2 2.326080 2.076783 1.859309 1.668873 1.501511 1.353929 1.223367	3.487127 3.040868 2.656907 2.325671	4.303956 3.583215 2.993410 2.508513	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461	2.326080 2.076783 1.859309 1.668873 1.501511 1.35929 1.223367 1.107515	3.487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170	#ult 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597	NII 2 2.326080 2.076783 1.859309 1.668873 1.501511 1.353929 1.223367	3.487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047	4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130	2.326080 2.076783 1.859309 1.668873 1.501511 1.353929 1.223367 1.107515 1.004421 0.912435 0.830154	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611	#ult 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757467 0.604074	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.182931 0.927631 0.731248 0.579394 0.461364	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463604
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732	2.326080 2.076783 1.859309 1.668873 1.501511 1.353929 1.223367 1.107515 1.004421 0.912435 0.830154 0.756381	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642	#ult 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631 0.731248 0.579394 0.461364 0.369150	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463664 2.713450
0.1 0.2 0.3 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581	2.326080 2.076783 1.859309 1.668873 1.501511 1.353929 1.223367 1.107515 1.004421 0.912435 0.830154 0.756381 0.690093 0.630402	3 .487127 3 .040868 2 .656907 2 .325671 2 .039192 1 .790835 1 .575047 1 .887170 1 .223268 1 .080020 0 .954611 0 .444642 0 .748068 0 .663139	#ult 4 .303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.5658834 0.483382	1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110	LOLE 2 5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.317176 0.258607	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631 0.731248 0.57394 0.461364 0.369150 0.296740 0.239596	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463604 2.713450 2.134093 1.684767
0.1 0.2 0.3 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.766433	2. 326080 2. 076783 1. 859309 1. 668873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576553	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.588354	#ult 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.93064 0.066011 0.056161	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631 0.731248 0.579394 0.461364 0.369150 0.296740 0.219596 0.194281	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463664 2.713450 2.134093 1.684767 1.334857
0.1 0.2 0.3 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581	2.326080 2.076783 1.859309 1.668873 1.501511 1.353929 1.223367 1.107515 1.004421 0.912435 0.830154 0.756381 0.690093 0.630402	3 .487127 3 .040868 2 .656907 2 .325671 2 .039192 1 .790835 1 .575047 1 .887170 1 .223268 1 .080020 0 .954611 0 .444642 0 .748068 0 .663139	#ult 4 .303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.5658834 0.483382	1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110	LOLE 2 5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.317176 0.258607	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631 0.731248 0.57394 0.461364 0.369150 0.296740 0.239596	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463604 2.713450 2.134093 1.684767
0.1 0.2 0.3 0.4 0.5 0.6 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.415082 1.339895 1.271194 1.208285 1.150565 1.150565 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581 0.741013 0.741013 0.741013 0.741773	2. 326080 2. 076783 1. 859309 1. 658873 1. 501511 1. 353929 1. 223367 2. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576553 0. 527884 0. 483824 0. 443871	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.588354 0.522419 0.464222 0.412798	#ult 4 .303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.260107	1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110 0.056161 0.056161 0.048090 0.041436 0.035917	LOLE 2 5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.317176 0.258607 0.211906 0.174469 0.144305 0.119877	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.182931 0.927631 0.731248 0.579394 0.461364 0.399150 0.296740 0.29596 0.194281 0.158175 0.198276 0.198276	50.374062 37.779919 28.460070 21.535381 16.369342 12.497995 9.585201 7.383875 5.712949 4.439046 3.463604 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581 0.766433 0.741013 0.717173	2. 326080 2. 076783 1. 859309 1. 668873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 530402 0. 576553 0. 527884 0. 483824 0. 443871 0. 407589	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.588354 0.522419 0.464222 0.412798 0.367314	4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.56834 0.483382 0.413405 0.353920 0.303278 0.260107 0.223260	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.111673 0.093064 0.078110 0.066011 0.056161 0.048090 0.041436 0.035917 0.031314	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906 0.174469 0.144305	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.182931 0.927631 0.731248 0.579394 0.461364 0.369150 0.296740 0.239596 0.194281 0.156175 0.106044 0.087287	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463604 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.923039 0.887130 0.853732 0.822619 0.793581 0.766433 0.741013 0.717173 0.694781 0.673714 0.653867 0.617455	2.326080 2.076783 1.859309 1.668873 1.501511 1.353929 1.223367 1.107515 1.004421 0.912435 0.830154 0.765381 0.690093 0.630402 0.576553 0.527884 0.483824 0.443871 0.407589 0.374595 0.374595	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.582354 0.522419 0.464222 0.412798 0.367314 0.327045 0.259719	#ult 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.260107 0.223260 0.191773 0.141779	1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.096011 0.056161 0.056161 0.056161 0.041436 0.035917 0.031314 0.021436	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906 0.174469 0.144305 0.119877 0.100000 0.083751 0.059403	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631 0.731248 0.579394 0.461364 0.296740 0.239596 0.194281 0.158175 0.158175 0.106044 0.087287 0.072083 0.049606	50.374062 37.77919 28.460070 21.535381 16.368942 12.497995 9.885201 7.383875 5.712949 4.439046 3.463604 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581 0.766433 0.741013 0.741013 0.741013 0.673714 0.653867 0.617455 0.584872	2. 326080 2. 076783 1. 859309 1. 658873 1. 501511 1. 353929 1. 223367 2. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576553 0. 527884 0. 483824 0. 443871 0. 407589 0. 374595 0. 317160 0. 269312	3 .487127 3 .040868 2 .656907 2 .325671 2 .039192 1 .790835 1 .575047 1 .387170 1 .223268 1 .080020 0 .954611 0 .844642 0 .748068 0 .663139 0 .588354 0 .522419 0 .464222 0 .412798 0 .367314 0 .327045 0 .259719 0 .206688	#ult 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.260107 0.223260 0.191773 0.141779 0.105066	1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110 0.056161 0.056161 0.048090 0.041436 0.035917 0.031314 0.027453 0.021436 0.017071	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.457188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906 0.174469 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.182931 0.927631 0.731248 0.579394 0.461364 0.369150 0.296740 0.299596 0.194281 0.158175 0.129276 0.106044 0.087287 0.072083 0.049606 0.034515	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463604 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.415082 1.339895 1.271194 1.208285 1.150562 1.094897 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581 0.766433 0.741013 0.717173 0.694781 0.653867 0.653867 0.653867 0.555566 0.529082	2. 326080 2. 076783 1. 859309 1. 668873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576533 0. 527884 0. 483824 0. 443871 0. 407589 0. 374595 0. 317160 0. 269312 0. 269280 0. 195659	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.588354 0.66319 0.464222 0.412798 0.367314 0.367314 0.367314 0.367314 0.367314 0.367314 0.367316 0.131620	4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.263260 0.191773 0.141779 0.105066 0.078021 0.058042	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110 0.066011 0.056011 0.048090 0.041436 0.035917 0.037917 0.037917 0.013845 0.013845 0.011420	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.317176 0.258607 0.211906 0.174469 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716 0.031104 0.022908	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.731248 0.579394 0.461364 0.369150 0.296740 0.295740 0.194281 0.158175 0.192276 0.194281 0.198044 0.087287 0.072083 0.049606 0.034515 0.024525 0.017187	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463664 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257 0.125124 0.083787
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 8 3.0	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.766433 0.741013 0.741013 0.673714 0.673714 0.673714 0.653867 0.617455 0.555566 0.529082 0.505041	2. 326080 2. 076783 1. 859309 1. 688873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 76553 0. 5276884 0. 483824 0. 443871 0. 407589 0. 374595 0. 317160 0. 269312 0. 229280 0. 167325	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.588354 0.522419 0.46422 0.412798 0.367314 0.327045 0.259719 0.206688 0.131620 0.105286	4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.260107 0.223260 0.191773 0.141779 0.105066 0.078021 0.058042 0.043248	101y by 10 ⁻³ 1 1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.0966011 0.056161 0.046011 0.056161 0.041436 0.035917 0.031314 0.027453 0.021436 0.017071 0.013845 0.017071 0.013845 0.011420 0.009566	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906 0.174469 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716 0.031104 0.022908 0.017051	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.731248 0.573934 0.461364 0.29576 0.194281 0.158175 0.129276 0.108044 0.087287 0.072083 0.074250 0.034515 0.024250 0.012276	50.374062 37.77919 28.460070 21.535381 16.368942 12.497959 9.585201 7.383875 5.712949 4.439046 3.463604 2.713650 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257 0.125124 0.083787
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.415082 1.339895 1.271194 1.208285 1.150562 1.094897 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581 0.766433 0.741013 0.717173 0.694781 0.653867 0.653867 0.653867 0.555566 0.529082	2. 326080 2. 076783 1. 859309 1. 668873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576533 0. 527884 0. 483824 0. 443871 0. 407589 0. 374595 0. 317160 0. 269312 0. 269280 0. 195659	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.588354 0.66319 0.464222 0.412798 0.367314 0.367314 0.367314 0.367314 0.367314 0.367314 0.367316 0.131620	4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.263260 0.191773 0.141779 0.105066 0.078021 0.058042	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110 0.066011 0.056011 0.048090 0.041436 0.035917 0.037917 0.037917 0.013845 0.013845 0.011420	5.713156 4.346672 3.326258 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716 0.031104 0.022908 0.017051 0.004453	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.731248 0.579394 0.461364 0.369150 0.296740 0.295740 0.194281 0.158175 0.192276 0.194281 0.198044 0.087287 0.072083 0.049606 0.034515 0.024525 0.017187	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463664 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257 0.125124 0.083787
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 3.6 3.5 4.0	1.415082 1.339895 1.271194 1.208285 1.150562 1.094897 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581 0.766433 0.741013 0.717173 0.694781 0.653867 0.653867 0.555566 0.529082 0.505041 0.453667 0.411971 0.47445	2. 326080 2. 076783 1. 859309 1. 668873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576583 0. 527884 0. 483824 0. 443871 0. 407589 0. 3774595 0. 317160 0. 269312 0. 269312 0. 269312 0. 269312 0. 269312 0. 195659 0. 167325 0. 114093 0. 178566	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.0800220 0.954611 0.844642 0.748068 0.663139 0.588354 0.522419 0.464222 0.412798 0.367314 0.327045 0.259719 0.206688 0.163736 0.105286 0.105286	#ult 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.263260 0.191773 0.105066 0.078021 0.058042 0.043248 0.020850 0.010122 0.004941	10 by 10 ⁻³ 1 1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110 0.066011 0.056011 0.056011 0.0548090 0.041436 0.035917 0.031743 0.021436 0.017077 0.013845 0.017077 0.013845 0.017087	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757488 0.604074 0.484672 0.317176 0.258607 0.11906 0.174469 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716 0.031104 0.022908 0.017051 0.002455	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.731248 0.579394 0.461364 0.296740 0.295740 0.239596 0.194281 0.15815 0.106044 0.087287 0.072083 0.049606 0.034515 0.024250 0.017187 0.012276 0.005450 0.002505 0.002505	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463664 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257 0.125124 0.083787 0.021594 0.008492 0.003413
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.793581 0.766433 0.741013 0.7717173 0.693781 0.673714 0.653867 0.617455 0.555566 0.529082 0.453667 0.453667 0.453667	2. 326080 2. 076783 1. 859309 1. 68873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576533 0. 483824 0. 483824 0. 483824 0. 497589 0. 374595 0. 374595 0. 374595 0. 374595 0. 167325 0. 167325 0. 167325 0. 167325 0. 167325	3 .487127 3 .487127 3 .040868 2 .656907 2 .325671 2 .039192 1 .790835 1 .775047 1 .287107 1 .223268 1 .080022 0 .954611 0 .844642 0 .748068 0 .663139 0 .588354 0 .5823419 0 .454222 0 .412798 0 .367314 0 .327045 0 .259719 0 .206688 0 .164796 0 .131620 0 .105286 0 .105286 0 .105286	4.303956 3.583215 2.993410 2.598513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.303278 0.260107 0.223260 0.191773 0.141779 0.105066 0.078021 0.058042 0.043248 0.020850 0.010122	1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.249379 0.249379 0.134981 0.11673 0.093064 0.078110 0.066011 0.066011 0.048090 0.041436 0.035917 0.035917 0.017071 0.013845 0.017071 0.013845 0.011420 0.006524 0.006524	5.713156 4.346672 3.326258 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716 0.031104 0.022908 0.017051 0.004453	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631 0.731248 0.579394 0.461364 0.299540 0.194281 0.158175 0.106044 0.087287 0.072083 0.049606 0.034515 0.024250 0.012276 0.002505	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463664 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257 0.125124 0.083787 0.056480 0.021594 0.008492
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 8 3.5 4.0 5 6.0 7.0	1.415082 1.339895 1.271194 1.208285 1.150562 1.097491 1.048597 1.003461 0.961720 0.923039 0.887130 0.853732 0.822619 0.766433 0.741013 0.7717173 0.693781 0.673714 0.653867 0.617455 0.584872 0.555566 0.529082 0.5555667 0.413971 0.453667 0.411971 0.377445 0.348370 0.302038 0.266664	2. 326080 2. 076783 1. 859309 1. 68873 1. 501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 630402 0. 576533 0. 483824 0. 443871 0. 407589 0. 374595 0. 374595 0. 317160 0. 229280 0. 167325 0. 114093 0. 078566 0. 054542 0. 038121 0. 018930 0. 009562	3 .487127 3 .040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.58354 0.367314 0.327045 0.367314 0.327045 0.131620 0.105286 0.131620 0.105286 0.105286 0.105286 0.105286	4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.353920 0.303278 0.260107 0.223260 0.191773 0.141779 0.105066 0.078021 0.058042 0.043248 0.020850 0.010122 0.004941 0.002423 0.000589	10 by 10 ⁻³ 1 1.046692 0.808829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110 0.066011 0.056011 0.056011 0.048090 0.041436 0.035917 0.031314 0.027453 0.021436 0.017071 0.013845 0.011420 0.009566 0.006524 0.004783 0.003713 0.0030189 0.001734	5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.391029 0.317176 0.258607 0.211906 0.174469 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716 0.031104 0.022908 0.017051 0.008493 0.004455 0.002445 0.001396 0.000203	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.516549 1.182931 0.927631 0.731248 0.579394 0.369150 0.296740 0.239596 0.194281 0.158175 0.106044 0.087287 0.072083 0.04500 0.034515 0.024250 0.012276 0.002505 0.00184 0.000573 0.0000184	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463664 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257 0.021594 0.021594 0.001396 0.001396 0.001396 0.001396
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 8 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 6.0	1.415082 1.339895 1.271194 1.208285 1.150562 1.057491 1.048597 1.003461 0.961720 0.853732 0.822619 0.793581 0.766433 0.741013 0.7717173 0.653867 0.653867 0.653867 0.555566 0.529082 0.505041 0.453667 0.411971 0.377445 0.348370 0.302038	2. 326080 2. 076783 1. 859309 1. 658873 1. 5501511 1. 353929 1. 223367 1. 107515 1. 004421 0. 912435 0. 830154 0. 756381 0. 690093 0. 576553 0. 527884 0. 483824 0. 483824 0. 497589 0. 374595 0. 317160 0. 269312 0. 229280 0. 195659 0. 167325 0. 114093 0. 078566 0. 078566	3 .487127 3.040868 2.656907 2.325671 2.039192 1.790835 1.575047 1.387170 1.223268 1.080020 0.954611 0.844642 0.748068 0.663139 0.588354 0.522419 0.454222 0.412798 0.367314 0.327045 0.259719 0.206688 0.164796 0.105286 0.105286 0.105286 0.050611 0.035143 0.020497 0.012014 0.004178	#u1t 4 4.303956 3.583215 2.993410 2.508513 2.108156 1.776283 1.500173 1.269693 1.076706 0.914663 0.778255 0.663156 0.565834 0.483382 0.413405 0.303278 0.260107 0.223260 0.191773 0.141779 0.105066 0.078021 0.058042 0.043248 0.020850 0.010122 0.004941 0.002423 0.000589	101y by 10 ⁻³ 1 1.046692 0.802829 0.629603 0.493771 0.390201 0.310739 0.249379 0.201688 0.164373 0.134981 0.111673 0.093064 0.078110 0.056161 0.048090 0.041436 0.035917 0.031314 0.027453 0.021436 0.017071 0.013845 0.017071 0.013845 0.017071 0.013845 0.017071 0.013845 0.017071 0.013845 0.017071 0.013845 0.003014 0.003713 0.003014	101E 2 5.713156 4.346672 3.326258 2.560478 1.982824 1.544760 1.210744 0.954647 0.757188 0.604074 0.484672 0.317176 0.258607 0.211906 0.174469 0.144305 0.119877 0.100000 0.083751 0.059403 0.042716 0.031104 0.022908 0.017051 0.008493 0.004455 0.002445	3 5.695379 4.324356 3.300910 2.533299 1.954765 1.182931 0.927631 0.731248 0.579394 0.461364 0.239596 0.194281 0.158175 0.129276 0.106044 0.087287 0.072083 0.04550 0.017187 0.012276 0.005450 0.00184 0.000573 0.000143	50.374062 37.779919 28.460070 21.535381 16.368942 12.497995 9.585201 7.383875 5.712949 4.439046 3.463604 2.713450 2.134093 1.684767 1.334857 1.061281 0.846557 0.677397 0.543651 0.437543 0.285644 0.188257 0.125124 0.083787 0.056480 0.021594 0.003413 0.001396 0.001396

TABLE 17 G. CRRES Omnidirectional Geometric Factors for Power Law Spectra $\sin^8 \alpha$ Pitch Angle Path Length Distribution Computation, $\lambda = 90$

		FLUX OR	WIDIRECTION	AL GEOMETRIC	FACTORS (cm²	NeV)		
		HIL	ET CHANNEL			LOL	ET CHANNEL	
H	1	2	3	4	1	2	3	4
0.1	0.135233	0.880263	0.687336	12.384627	2.394875	12.069874	11,774307	200.089874
0.2	0.125138	0.770593	0.590474	10.230530	1.781292	8.898182	8.664156	146.333206
0.3 0.4	0.116056 0.107869	0.676840 0.596360	0.508549 0.439030	8.482408 7.056846	1.332880 1.003758	6.591419 4.907397	6.403790 4.755107	107.411942 79.143707
0.5	0.100475	0.526997	0.379859	5.889045	0.761073	3.673072	3.548003	58.545525
0.6	0.093785	0.466986	0.329346	4.928359	0.581240	2.764523	2.660652	43.484966
0.7 0.8	0.087719 0.082209	0.414880 0.369478	0.286107 0.248996	4.134997 3.477449	0.447282 0.346940	2,092767 1,593748	2.005607 1.519913	32.433796 24.294683
0.9	0.077195	0.329791	0 217067	2.930691	0.271338	1.221214	1.158134	18.277225
1.0 1.1	0.072623 0.068447	0.294987 0.264380	0.189532 0.165734	2.474679 2.093304	0.214023 0.170293	0.941 6 67 0.730771	0.887364 0.683711	13.810822 10.482154
1.2	0.064626	0.237389	0.145125	1.773545	0.136702	0.570783	0.529760	7.991162
1.3	0.061124	0.213523	0.127243	1.504834	0.110722	0.448721	0.412779	6.119140
1.4 1.5	0.057907 0.054949	0.192370 0.173578	0.111699 0.098164	1.278\$43 1.087616	0.090485 0.074607	0.355050 0.282737	0.323418 0.254792	4.706269 3.635332
1.6	0.052223	0.156847	0.086361	0.926238	0.062056	0.226578	0.201807	2.820077
1.7	0.049708	0.141921	0.076053	0.789621	0.052062	0.182700	0.160678	2.196770
1.8 1.9	0.047383 0.045230	0.128580 0.116633	0.067037 0.059142	0.673795 0.575464	0.044044 0.037564	0.140201 0.120935	0.128581 0.103401	1.718182 1.349146
2.0	0.043234	0.105917	0.052219	0.491882	0.032289	0.099238	0.083544	1.063400
2.2	0.039656	0.087628	0.040804	0.360167	0.024390	0.067906	0.055268	0.667827
2.4 2.6	0.036553 0.033847	0.072780 0.060663	0.031972 0.025114	0.264411 0.194556	0.018933 0.015063	0.047403 0.033695	0.037165 0.025362	0.425055 0.273844
2.8	0.031473	0.050726	0.019772	0.143443	0.012251	0.024349	0.017536	0.178365
3.0	0.029382	0.042542	0.015598	0.105946	0.010161	0.017858	0.012268	0.117319
3.5 4.0	0.025124 0.021896	0.027719 0.018318	0.008689 0.004886	0.050000 0.023781	0.006842 0.005000	0. 008 703 0. 004535	0.005243 0.002354	0.042679 0.016179
4.5	0.019386	0.012251	0.002769	0.023781	0.003882	0.002495	0.001099	0.006328
5.0	0.017394	0.008277	0.001580	0.005475	0.003156	0.001436	0.000529	0.002536
6.0 7.0	0.014451 0.012401	0.003876 0.001866	0.000523 0.000176	0.001283 0.000305	0.002295 0.001817	0.000529 0.000217	0.000132 0.000036	0.000430 0.000077
8.0	0.010899	0.000917	0.000060	0.000073	0.001518	0.000217	0.000010	0.000014
9.0	0.009754	0.000459	0.000021	0.000018	0.001317	0.000044	0.000003	0.000003
10.0	0.008854	0.000233	0.000007	0.000004	0.001174	0.000021	0.000001	1000001
				AL GEOMETRIC			T CHANNEL	
*	1		MNIDIRECTION LET CHANNEL 3		FACTORS (cm ² iply by 10 ⁻³		T CHANNEL	4
		HII 2	LET CHANNEL 3	mult ⁴	iply by 10 ^{.3}	LOLE 2	3	
N 0.1 0.2	1.448170 1.372022	HII	LET CHANNEL	mult	iply by 10^{-3}	FOFE		4 51.383945 38.570232
0.1 0.2 0.3	1,448170 1,372022 1,302396	HII 2 2.334585 2.085778 1.868589	3.486959 3.041636 2.658437	mult ⁴ 4.216434 3.512939 2.936846	1.082308 0.836687 0.651559	LOLE 2 5.846650 4.451774 3.409578	3 5.821588 4.423984 3.380049	51.383945 38.570232 29.081852
0.1 0.2 0.3 0.4	1.448170 1.372022 1.302396 1.238594	HII 2 2.334585 2.085778 1.868589 1.678279	3.486959 3.041636 2.658437 2.327786	mult: 4 4.216434 3.512939 2.936846 2.462896	1.082308 0.836687 0.651559 0.511207	10LE 2 5.846650 4.451774 3.409578 2.626970	3 5.821588 4.423984 3.380049 2.596551	51.383945 38.570232 29.081852 22.027136
0.1 0.2 0.3	1,448170 1,372022 1,302396	HII 2 2.334585 2.085778 1.868589	3.486959 3.041636 2.658437	mult ⁴ 4.216434 3.512939 2.936846	1.082308 0.836687 0.651559	LOLE 2 5.846650 4.451774 3.409578	3 5.821588 4.423984 3.380049	51.383945 38.570232 29.081852
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1,448170 1,372022 1,302396 1,236594 1,180015 1,126120 1,076431	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501	3 .486959 3 .041636 2 .658437 2 .327786 2 .041754 1 .793726 1 .578160	#ult* 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979	1.082308 0.836687 0.51559 0.511207 0.404154 0.321986 0.258511	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1.448170 1.372022 1.302396 1.236594 1.180015 1.126120 1.076431 1.030536	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415	3.486959 3.041636 2.658437 2.327786 2.041754 1.79726 1.578160 1.390418	mult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.258511 0.209155	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.983335	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466
0.1 0.2 0.3 0.4 0.5 0.6 0.7	1,448170 1,372022 1,302396 1,236594 1,180015 1,126120 1,076431	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501	3 .486959 3 .041636 2 .658437 2 .327786 2 .041754 1 .793726 1 .578160	#ult* 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979	1.082308 0.836687 0.51559 0.511207 0.404154 0.321986 0.258511	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 9.912098	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.22653 1.083346 0.957902	#ult* 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.258511 0.209155 0.170519 0.140072 0.115915	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.557848 0.476634	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864	mult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.654541	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.258511 0.209155 0.170519 0.140072 0.145915 0.096620	LOLE 2 5.846650 4.451774 3.409578 2.626970 2.036290 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.404489	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.597848 0.476634 0.381831	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3	1,448170 1,372022 1,302396 1,238594 1,180015 1,126120 1,076431 1,030536 0,988063 0,948680 0,912098 0,878055 0,878055 0,878055	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.447864 0.751194 0.666149	#ult* 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.258511 0.209155 0.170519 0.140072 0.115915	LOLE 2 5.846650 4.451774 3.409578 2.626923 1.587924 1.245835 0.780765 0.623546 0.500826 0.40489 0.328434 0.268057	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.557848 0.476634 0.381831 0.307307 0.248429	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055 0.846322 0.846322 0.788969	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.22658 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232	mult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.654541 0.558811 0.477656	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 221986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096620 0. 081106 0. 068549 0. 058320	LOLE 2 5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.404489 0.228434 0.2688057 0.219865	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.307307 0.248429 0.201685	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055 0.846322 0.816688 0.768969 0.763002	HII 2 2.334585 2.085778 1.868589 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.525157	#ult* 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6554541 0.558811 0.477656 0.408735 0.350111	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.25851 0.25851 0.170519 0.140072 0.115915 0.096620 0.088106 0.058320 0.049935	5.846650 4.451774 3.409578 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.400489 0.328434 0.268057 0.181193	3 5.821588 4.423984 3.38049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.307307 0.248429 0.201685 0.21685	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 0.912098 0.878055 0.846322 0.816688 0.768969 0.763002 0.763002 0.715739	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.22658 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232	mult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.654541 0.558811 0.477656	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 221986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096620 0. 081106 0. 068549 0. 058320	LOLE 2 5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.404489 0.228434 0.2688057 0.219865	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.307307 0.248429 0.201685	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055 0.846322 0.846322 0.763002 0.738637 0.715739 0.694190	HII 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.449512 0.412921	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.369611	#ult* 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.654541 0.558811 0.477656 0.408735 0.350111 0.300172 0.257575	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 321986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096620 0. 081106 0. 068549 0. 058320 0. 049935 0. 043019 0. 037281 0. 037281	10LE 2 5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.980335 0.780765 0.623546 0.500826 0.404489 0.228434 0.268057 0.219865 0.181193 0.1500000 0.124715 0.104119	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.307307 0.248429 0.201685 0.164399 0.134520 0.110471 0.091033	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.8797444 0.704880 0.566451
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 0.912098 0.878055 0.846322 0.816688 0.768969 0.763002 0.763002 0.715739	411 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.583181 0.583181 0.594176 0.489785 0.449512 0.479512 0.379628	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.329197	#ult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6554541 0.558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.257575 0.190093	1.082308 0.836687 0.651559 0.5115207 0.404154 0.321986 0.258511 0.209155 0.170519 0.140072 0.115915 0.096620 0.081106 0.068549 0.058320 0.049335 0.043019 0.037281 0.037281 0.032473	5.846650 4.451774 3.409578 2.036230 1.587924 1.245835 0.780765 0.623546 0.500826 0.4004489 0.328434 0.268057 0.119865 0.181193 0.150000 0.124715 0.087264	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.307307 0.248429 0.201685 0.164399 0.134520 0.110471 0.091033 0.075258	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 0.912098 0.878055 0.846322 0.816688 0.768969 0.763002 0.738637 0.715739 0.694190 0.673877 0.636589 0.603196	#11 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.489785 0.412921 0.379628 0.321634 0.273277	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.447864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.369611 0.329197 0.261591 0.208301	#ult* 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6558411 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 321986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096620 0. 088106 0. 068549 0. 058320 0. 049935 0. 049035 0. 032493 0. 028475 0. 022213 0. 017668	5.846650 4.451774 3.409578 2.626920 1.587924 1.245835 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.219865 0.181193 0.150000 0.124715 0.104119 0.087264 0.061875 0.044612	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.557848 0.476634 0.381831 0.307307 0.248429 0.201685 0.164399 0.134520 0.110471 0.091033 0.075258 0.051899 0.036180	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.197405
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055 0.846328 0.788969 0.763002 0.738637 0.715739 0.694190 0.673877 0.636589 0.603196 0.573141	411 2 2.334585 2.085778 1.868589 1.868589 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.449512 0.49785 0.449512 0.379628 0.321634	3 .486959 3.041636 2.658437 2.327786 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.66619 0.591232 0.525157 0.466815 0.415243 0.329197 0.261591 0.208301 0.166177	#ult* 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.767680 0.654541 0.558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.077542	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 321986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096620 0. 081106 0. 068549 0. 058320 0. 049935 0. 043019 0. 032493 0. 022213 0. 017668 0. 014309	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.219865 0.181193 0.150000 0.124715 0.104119 0.087264 0.061975 0.044612 0.032509	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.3073848 0.164399 0.10471 0.091033 0.075258 0.051899 0.0351890 0.025465	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.8797444 0.704880 0.566451 0.456485 0.298775 0.197405 0.131522
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 2.0 2.2 2.4 2.6 2.8	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055 0.846322 0.816688 0.768969 0.763002 0.738637 0.713739 0.694190 0.673877 0.636589 0.673141 0.545964	411 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.583181 0.449512 0.449512 0.41921 0.41921 0.4273277 0.321634 0.273277 0.198752	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.329197 0.261591 0.208301 0.166177 0.132795	#ult* 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6554541 0.558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.21196 0.104335 0.077542 0.057732	1.082308 0.836687 0.651559 0.51559 0.51207 0.404154 0.321986 0.258511 0.209155 0.170519 0.140072 0.115915 0.096620 0.081106 0.068549 0.058549 0.037281 0.037281 0.032475 0.022213 0.017689 0.014309 0.014309	5.846650 4.451774 3.409578 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.124715 0.150000 0.124715 0.087264 0.061975 0.047564	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.307307 0.248429 0.201685 0.164399 0.134520 0.110471 0.075258 0.051899 0.036180 0.025465 0.018077	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.197405 0.131522 0.088279
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 0.912098 0.878055 0.846322 0.816688 0.768969 0.763002 0.738637 0.715739 0.694190 0.673877 0.636589 0.573141 0.545964 0.573141	#11 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.49512 0.412921 0.379628 0.321634 0.273277 0.232786 0.198752 0.170051 0.176051	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.447864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.369611 0.329197 0.261591 0.208301 0.166177 0.132795 0.106280 0.061255	#ult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.077542 0.057732 0.043050 0.020790	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 321986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096650 0. 088106 0. 068549 0. 058320 0. 049935 0. 032493 0. 028473 0. 028475 0. 022213 0. 017668 0. 014309 0. 011784 0. 009855 0. 006693	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.219865 0.181193 0.150000 0.124715 0.104119 0.087264 0.061975 0.044612 0.032509	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.3073848 0.164399 0.10471 0.091033 0.075258 0.051899 0.0351890 0.025465	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.131522 0.088279 0.059644 0.022925
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055 0.846322 0.816688 0.788969 0.763002 0.738637 0.715739 0.694190 0.673877 0.636589 0.673877 0.636589 0.573141 0.545964 0.521280 0.468489 0.425600	411 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.449512 0.379628 0.321634 0.273277 0.232786 0.198752 0.170051	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.369611 0.329197 0.261591 0.208301 0.166177 0.132795 0.106200 0.061255	#ult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.765480 0.6554541 0.558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.077542 0.057732 0.043050 0.020790 0.010108	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.25851 0.170519 0.140072 0.115915 0.09155 0.096620 0.08106 0.088320 0.08935 0.043019 0.037281 0.032493 0.02213 0.017668 0.014309 0.011784 0.009857	5.846650 4.451774 3.409578 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.400489 0.328434 0.268057 0.181193 0.150000 0.124715 0.104119 0.087264 0.061975 0.044612 0.032509 0.023956 0.017835 0.008879 0.004650	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.3073848 0.164399 0.10471 0.091033 0.075258 0.051899 0.036180 0.025465 0.018977 0.012931 0.002552	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.131522 0.088279 0.059644 0.022925 0.009059
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 2.0 2.2 2.4 2.6 2.8 3.0 3.5	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 0.912098 0.878055 0.846322 0.816688 0.768969 0.763002 0.738637 0.715739 0.694190 0.673877 0.636589 0.573141 0.545964 0.573141	411 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.449512 0.412921 0.412921 0.412921 0.412921 0.412921 0.412921 0.1232776 0.198752 0.170051 0.170051 0.170997 0.055574	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.396119 0.261591 0.261591 0.261591 0.261591 0.261591 0.166177 0.106280 0.061255 0.032553 0.020755	#ult* 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6554541 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.077542 0.057732 0.043050 0.020790 0.010108 0.004941	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.258511 0.209155 0.170519 0.140072 0.115915 0.096620 0.081106 0.068549 0.058320 0.049335 0.043019 0.037281 0.0328475 0.022213 0.017668 0.011784 0.009855 0.006887 0.006887	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.219865 0.181193 0.150000 0.124715 0.104119 0.087264 0.061975 0.044612 0.032509 0.023556 0.017835 0.008879 0.004650 0.002545	3 5.821588 4.423984 3.380049 2.595551 2.005614 1.557656 1.216341 0.753640 0.597848 0.476634 0.381831 0.201685 0.134520 0.110471 0.91033 0.075258 9.051899 0.036180 0.025465 0.018077 0.012931 0.005758	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.197405 0.131522 0.088279 0.059644 0.022925 0.009059
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 0.912098 0.878055 0.846322 0.816688 0.788969 0.763002 0.738637 0.715739 0.694190 0.673877 0.63637 0.715739 0.694190 0.573141 0.545964 0.521280 0.468489 0.425600 0.390061 0.360116 0.312368	#11 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.49512 0.412921 0.379628 0.321634 0.273277 0.232786 0.198752 0.170051 0.170051 0.079997 0.038866 0.019318	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.447864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.369611 0.329197 0.261591 0.208301 0.166177 0.132795 0.106280 0.061255 0.035553 0.0012175 0.004239	#ult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.077542 0.057732 0.043050 0.020790 0.010108 0.004961	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 321986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096650 0. 088106 0. 068549 0. 058320 0. 049935 0. 037281 0. 032493 0. 028473 0. 022213 0. 017668 0. 014309 0. 011784 0. 009855 0. 004887 0. 009855 0. 0036693 0. 003664 0. 003064 0. 003220	5.846650 4.451774 3.409578 2.6269230 1.587924 1.245835 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.219865 0.1181193 0.150000 0.124715 0.104119 0.087264 0.061875 0.044612 0.032509 0.023956 0.017835 0.008879 0.008879 0.002545	3 5.821588 4.423984 3.380049 2.596551 2.005656 1.216341 0.954921 0.753640 0.557848 0.476634 0.381831 0.307307 0.248429 0.201685 0.164399 0.134520 0.110471 0.091033 0.075258 9.051899 0.025465 0.018077 0.01253 0.002552 0.001255	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.197405 0.131522 0.088279 0.059644 0.022925 0.009059 0.001502 0.001502
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.0 6.0 7.0	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.988063 0.948680 0.912098 0.878055 0.846322 0.816688 0.788969 0.763002 0.738637 0.715739 0.694190 0.673877 0.694190 0.673877 0.694190 0.6738789 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.673879 0.694190 0.788969	411 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.449512 0.379628 0.321634 0.273277 0.232786 0.198752 0.170051 0.170997 0.055574 0.019318 0.009766	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.5780418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.329197 0.261591 0.208301 0.166177 0.132795 0.106280 0.061255 0.012175 0.001495	#ult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6554541 0.558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.077542 0.057732 0.043050 0.020790 0.010108 0.004941 0.002426 0.000591 0.000145	1.082308 0.836687 0.651559 0.511207 0.404154 0.321986 0.258511 0.209155 0.170519 0.140072 0.115915 0.096620 0.081106 0.068549 0.058320 0.04935 0.04935 0.04935 0.037681 0.032493 0.017668 0.014309 0.011784 0.009855 0.004887 0.003782 0.003782 0.003782 0.003782 0.003782	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.780765 0.623546 0.500826 0.400489 0.328434 0.268057 0.219865 0.181193 0.150000 0.124715 0.04119 0.087264 0.061975 0.04619 0.002545 0.001489 0.002545 0.001449 0.000208	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.476634 0.381831 0.307307 0.248429 0.110471 0.091033 0.075258 0.051899 0.036180 0.025465 0.018077 0.012931 0.005758 0.002652 0.001255 0.000608	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.131522 0.088279 0.059644 0.022925 0.009059 0.001557 0.001557 0.001552 0.000264 0.000048
0.1 0.2 0.3 0.4 0.5 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.2 2.4 2.6 2.8 3.5 4.0 4.5 5.6	1.448170 1.372022 1.302396 1.238594 1.180015 1.126120 1.076431 1.030536 0.948680 0.912098 0.878055 0.846322 0.816688 0.788969 0.763002 0.738637 0.715739 0.694190 0.673877 0.63637 0.715739 0.694190 0.573141 0.545964 0.521280 0.468489 0.425600 0.390061 0.360116 0.312368	#11 2 2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.49512 0.412921 0.379628 0.321634 0.273277 0.232786 0.198752 0.170051 0.170051 0.079997 0.038866 0.019318	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.447864 0.751194 0.666149 0.591232 0.525157 0.466815 0.415243 0.369611 0.329197 0.261591 0.208301 0.166177 0.132795 0.106280 0.061255 0.035553 0.0012175 0.004239	#ult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.6558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.077542 0.057732 0.043050 0.020790 0.010108 0.004961	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 321986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096650 0. 088106 0. 068549 0. 058320 0. 049935 0. 037281 0. 032493 0. 028473 0. 022213 0. 017668 0. 014309 0. 011784 0. 009855 0. 004887 0. 009855 0. 0036693 0. 003664 0. 003064 0. 003220	5.846650 4.451774 3.409578 2.6269230 1.587924 1.245835 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.219865 0.1181193 0.150000 0.124715 0.104119 0.087264 0.061875 0.044612 0.032509 0.023956 0.017835 0.008879 0.008879 0.002545	3 5.821588 4.423984 3.380049 2.596551 2.005656 1.216341 0.954921 0.753640 0.557848 0.476634 0.381831 0.307307 0.248429 0.201685 0.164399 0.134520 0.110471 0.091033 0.075258 9.051899 0.025465 0.018077 0.01253 0.002552 0.001255	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.197405 0.131522 0.088279 0.059644 0.022925 0.009059 0.001502 0.001502
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.2 2.4 2.8 3.0 3.5 4.5 6.6 6.7 6.6 6.7 6.7 6.7 6.7 6.7 6.7 6.7	1,448170 1,372022 1,302396 1,238594 1,180015 1,126120 1,076431 1,030536 0,948680 0,948680 0,912098 0,878055 0,846322 0,816688 0,788969 0,738637 0,715739 0,694190 0,673877 0,636589 0,603196 0,573141 0,545964 0,521280 0,468489 0,425600 0,49061 0,360116 0,3123680 0,247032	2.334585 2.085778 1.868589 1.678279 1.510918 1.363235 1.232501 1.116415 1.013047 0.920757 0.838151 0.764042 0.697408 0.637373 0.583181 0.534176 0.489785 0.449512 0.412921 0.412921 0.379628 0.321634 0.273277 0.232786 0.232786 0.170051 0.170051 0.170051 0.179051 0.019318 0.009766 0.009766	3 .486959 3.041636 2.658437 2.327786 2.041754 1.793726 1.578160 1.390418 1.226583 1.083346 0.957902 0.847864 0.751194 0.666149 0.591232 0.5252157 0.466815 0.415243 0.369611 0.166177 0.132795 0.106280 0.061255 0.0325755 0.012175 0.004239 0.001495 0.000532	#ult: 4 4.216434 3.512939 2.936846 2.462896 2.071289 1.746438 1.475979 1.250051 1.060743 0.901676 0.767680 0.654541 0.558811 0.477656 0.408735 0.350111 0.300172 0.257575 0.221196 0.190093 0.140668 0.104335 0.075742 0.057732 0.043050 0.020790 0.010108 0.004941 0.002426 0.000516	1. 082308 0. 836687 0. 651559 0. 511207 0. 404154 0. 321986 0. 258511 0. 209155 0. 170519 0. 140072 0. 115915 0. 096620 0. 081106 0. 068549 0. 058320 0. 043019 0. 037281 0. 037281 0. 017668 0. 011784 0. 009855 0. 006893 0. 004893 0. 004935 0. 0076683 0. 0076683 0. 0076683 0. 0076683 0. 00887 0. 003782 0. 003782 0. 003782 0. 003782 0. 003782 0. 003782 0. 003782	5.846650 4.451774 3.409578 2.626970 2.036230 1.587924 1.245835 0.983335 0.780765 0.623546 0.500826 0.404489 0.328434 0.268057 0.219865 0.181193 0.150000 0.124715 0.104119 0.087264 0.061975 0.044612 0.032509 0.023956 0.017835 0.008879 0.004650 0.002545 0.001449 0.000519 0.000519 0.000519 0.000519	3 5.821588 4.423984 3.380049 2.596551 2.005614 1.557656 1.216341 0.954921 0.753640 0.597848 0.476634 0.387307 0.248429 0.201685 0.164399 0.201685 0.10471 0.091033 0.075258 0.051899 0.035465 0.012931 0.005758 0.0025465 0.001255 0.000608	51.383945 38.570232 29.081852 22.027136 16.759748 12.810072 9.835510 7.585466 5.875924 4.571297 3.571268 2.801377 2.206105 1.743897 1.383529 1.101431 0.879744 0.704880 0.566451 0.456485 0.298775 0.131522 0.088279 0.059644 0.022925 0.099059 0.003657 0.001502 0.0000648 0.000009

8. GEOMETRIC FACTOR COMPARISONS

8.1 ISOTROPIC DISTRIBUTION

In Section 7 tables of the Omnidirectional Geometric Factors were provided for power law spectra for both the DMSP and CRRES dosimeters for the infinite slab approximation, the truncated infinite slab path length distribution and the path length distribution. A comparison of the results of these computations is provided in graphical form for dosimeters 1 and 4 in Figures 33 to 40. Only particle entry through the top is taken into account for the both the infinite slab approximation, and the truncated infinite slab approximation. The same path length distribution is applicable; the latter differs from the former only by the truncation of the infinite slab path length distribution at $q = q_{\text{max}}$ and its renormalization. The effect of truncation is that unphysical path lengths are eliminated, resulting in a higher weighting for valid path lengths. The net result on the calculations is to decrease the high energy contributions (due to a lack of larger path lengths) and slightly increase the low energy contributions (because of the higher weighting), and this is evident in the HILET flux and dose channels (Figures 33 to 36). This effect is, as expected, more evident in detector 1, because of its higher D/R ratio. For small N, the differences are large, and rapidly decrease as N \sim 2, and remain small for larger N. For LOLET channels (Figures 37 to 40) the differences are small. The differences in detector 4 (Figures 35, 36, 37, and 40) are much smaller because of its small D/R ratio.

The path length distribution differs from the other two distributions in three ways: there is no minimum path length, and both edge effects and side entry, (with side to side path lengths up to q_{max}) are taken into account. This results in higher geometric factors for the LOLET channels, and, except for small values of N, higher geometric factors for the HILET channels.

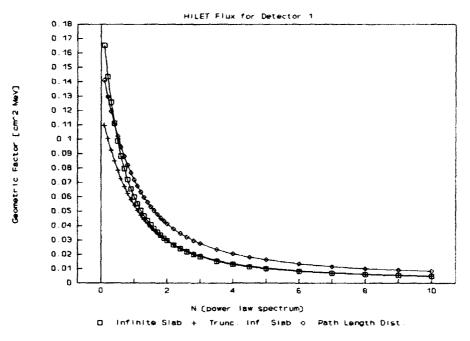


Figure 33.

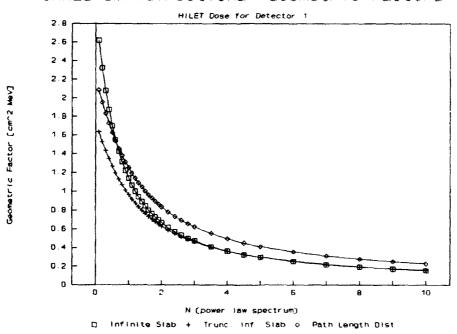


Figure 34.

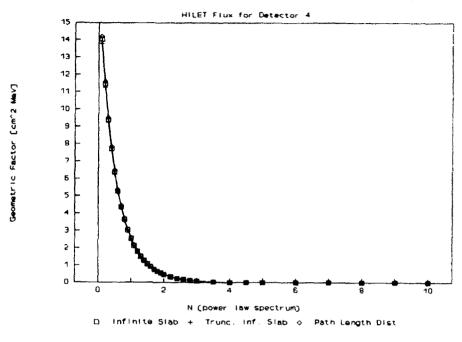


Figure 35.

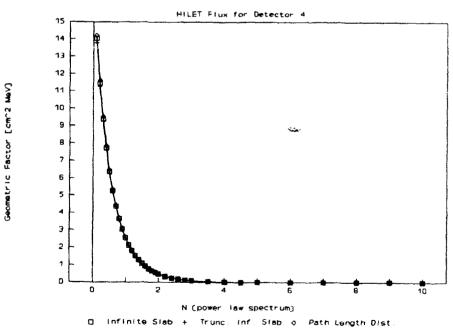


Figure 36.

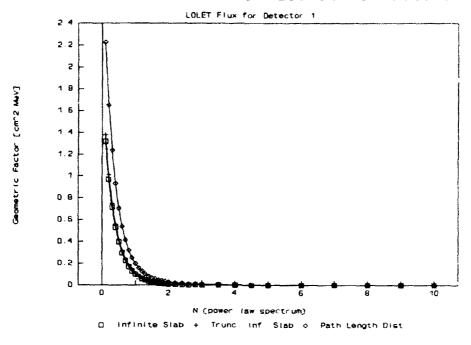


Figure 37.

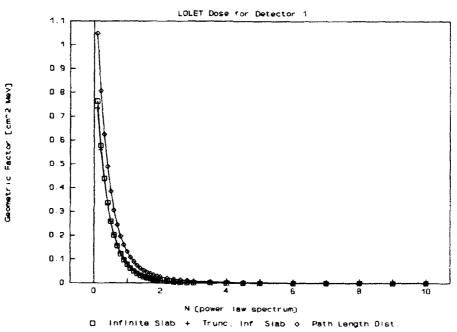


Figure 38.

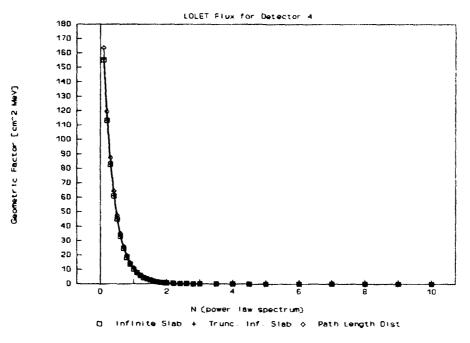


Figure 39.

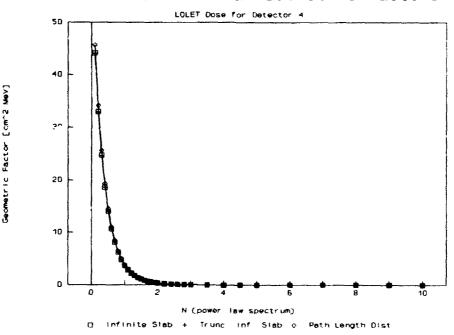


Figure 40.

REFERENCES

- Bishel, H., and C. Tschalaer, "A Range-Energy Relation for Heavy Particles in Silicon", Nuclear Data, Section A, 3:343.
- Gussenhoven, M. S., E. G. Mullen, R. C. Filz, F. A. Hanser, K. A. Lynch, "Space Radiation Dosimeter SSJ* for the Block 5D/Flight 7 DMSP Satellite: Calibration and Data Presentation", AFGL-TR-86-0065, 1986, ADA172178.
- Gussenhoven, M. S., E. G. Mullen, R. C. Sagalyn, (editors), "CRRES/SPACERAD Experiment Descriptions", AFGL-TR-85-0017, 1987, ADA160504.
- Hammersley, J. M., D. C. Handscomb, "Monte Carlo Methods", Methuen & Co, London, 1964.
- Janni, J., "Proton Range Energy Tables, 1 KeV 10 GeV in: Atomic Data and Nuclear Data Tables", Vol. 27, Pp. 147-529, Academic Press, New York, 1982.
- Morel, P. R., F. Hanser, B. Sellers, J. L. Hunerwadel, R. Cohen, B. D. Kane, B. K. Dichter, "Fabricate, Calibrate and Test a Dosimeter for Integration into the CRRES Satellite", GL-TR-89-0152, Air Force Geophysics Laboratory, April 1989, ADA213812.
- Sellers, B., R. Kelliher, F. A. Hanser, and P. R. Morel, "Design, Fabrication, Calibration and Testing and Satellite Integration of a Space-Radiation Dosimetr", AFGL-TR-81-0354, Air Force Geophysics Laboratory, 1981, ADA113085.
- Sullivan, J. D., "Geometric Factor and Directional Response of Single and Multi-Element Particle Telescopes", Nuclear Instruments and Methods, 95, Pp. 5-11, 1971.